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From: Whiteman, Brian
Sent: Thursday, August 18, 2005 7:31 AM
To: STIC-Biotech/ChemLib
Subject: seq search

09/820,095 Wei et al. 3/29/01

SEQ ID NO: 1, 2 and nucleotides 1-2000 and 10,000-11,000 of seq id no: 3
1) search against the issued and published US application databases

Thank yiu,

Brian Whiteman
Remsen, 2D14
mail box 2C18
Patent Examiner - Art Unit 1635
United States Patent and Trademark Office
(571) 272-0764

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Searcher: _____
Searcher Phone: 2- _____
Date Searcher Picked up: 8/19/05
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Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search

NA#: 2 AA#: 1
Interference: _____ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: 1037/009
WWW/Internet: _____
Other(Specify): _____

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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 15:11:34 ; Search time 445.996 Seconds
(without alignments)
9880.127 Million cell updates/sec

Title: US-09-820-095B-1
Perfect score: 2693
Sequence: 1 ttgctgactcatgtgccgc.....aaaaaaaaaaaaaaaaaaaaa 2693

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCUS COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1515.4	56.3	1697	3	US-09-381-681-2
2	1162.4	43.2	1360	3	US-09-191-136-30
3	1155.8	42.9	1293	3	US-09-381-681-1
4	394.4	14.6	396	3	US-09-191-136-28
5	243.6	9.0	1978	4	US-09-949-016-367
6	239.2	8.9	1750	4	US-09-016-434-831
7	239.2	8.9	1762	2	US-08-742-621-2
8	237.6	8.8	1206	3	US-09-191-608-21
9	237.6	8.8	1389	4	US-09-949-016-3548
10	233.4	8.7	2597	4	US-09-949-016-4136
11	233.4	8.7	2643	2	US-08-750-134A-10
12	233.4	8.7	2643	3	US-09-363-745-10
13	233.4	8.7	2643	4	US-09-023-655-897
14	233.4	8.7	2643	4	US-09-949-016-365
15	231.6	8.6	1946	4	US-09-949-016-4138
16	225.4	8.4	1997	2	US-08-750-134A-6
17	225.4	8.4	1997	3	US-09-363-745-6
18	214.4	8.0	1421	3	US-09-191-608-14
19	213.2	7.9	1436	3	US-09-191-608-13
20	206	7.6	1837	2	US-08-750-134A-4
21	206	7.6	1837	3	US-09-363-745-4
22	200.2	7.4	237	3	US-09-191-136-29
23	199.4	7.4	1499	3	US-09-191-608-16
24	198.8	7.4	1034	4	US-09-949-016-3378
25	198.8	7.4	1034	4	US-09-949-016-3379
26	168.6	6.3	1243	3	US-09-191-136-15
27	165.4	6.1	1456	4	US-09-949-016-366

28	156.2	5.8	1272	3	US-09-191-136-13	Sequence 13, Appl
29	155.4	5.8	1349	3	US-09-191-608-15	Sequence 15, Appl
30	155.4	5.8	1753	3	US-08-750-134A-8	Sequence 8, Appl
31	155.4	5.8	1753	3	US-09-363-745-8	Sequence 8, Appl
32	144.4	5.4	1156	4	US-09-949-016-1705	Sequence 1705, Ap
33	144.4	5.4	1156	4	US-09-949-016-1706	Sequence 1706, Ap
34	131.2	4.9	961	4	US-09-023-655-370	Sequence 370, Ap
35	115.8	4.3	1023	4	US-09-949-016-4714	Sequence 4714, Ap
36	103.8	3.9	1853	3	US-08-842-079-19	Sequence 19, Appl
37	103.8	3.9	1853	4	US-09-638-857-19	Sequence 19, Appl
38	99.8	3.7	3540	3	US-08-842-079-16	Sequence 16, Appl
39	99.8	3.7	3540	4	US-09-638-857-16	Sequence 16, Appl
40	94	3.5	94	3	US-09-191-136-18	Sequence 18, Appl
41	92.4	3.4	394	4	US-09-191-136-27	Sequence 27, Appl
42	90.4	3.4	878	1	US-07-915-934-3	Sequence 3, Appl
43	90.4	3.4	878	1	US-08-325-743-3	Sequence 3, Appl
44	83.2	3.1	531	3	US-09-191-608-8	Sequence 8, Appl
45	66.4	2.5	25370	4	US-09-949-016-12109	Sequence 12109, A

ALIGNMENTS

RESULT 1

US-09-381-681-2
; Sequence 2, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: Q55876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1697
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (46)...(1338)
US-09-381-681-2

Query Match	56.3%	Score	1515.4	DB	3	Length	1697
Best Local Similarity	99.6%	Pred. No.	0				
Matches	1512	Conservative	0	Mismatches	6	Indels	0
Gaps	0						
QY	97	GTGGGCTCTCTCGCCAAAAGGCTACGAGGCGGGACCTGGAAACCCAGTTTCCAT	156				
DB	180	GTGGGCGCTCTCTCGCCAAAAGGCTACGAGGCGGGACCTGGAAACCCAGTTTCCAT	239				
QY	157	CATCACCAAACTCAAGGGTTCCTCGTCACTCAGATCAAGGAGCTTGGAAACCGGCTGTG	216				
DB	240	CATCACCAAACTCAAGGGTTCCTCGTCACTCAGATCAAGGAGCTTGGAAACCGGCTGTG	299				
QY	217	GGATGTGCGCGATTCGTGAAGCCACCTCAGGAGAGAAACGTGTCTTCTTGGTGACCAA	276				
DB	300	GGATGTGCGCGATTCGTGAAGCCACCTCAGGAGAGAAACGTGTCTTCTTGGTGACCAA	359				
QY	277	CTTCTCTGTGAGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGCACCCTCGTCCCACT	336				
DB	360	CTTCTCTGTGAGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGCACCCTCGTCCCACT	419				
QY	337	GGCTAACTGTGGGTGACGAGGACTGCCCGAAGGGGAGGAGGCACACACGACCG	396				
DB	420	GGCTAACTGTGGGTGACGAGGACTGCCCGAAGGGGAGGAGGCACACACGACCG	479				
QY	397	TGTAAAAACAGGCCAGTGTGTGTGTTCATATGGGACCCACAGGACCTGTGAGATCTGGAG	456				

480	TGTTAAAAACAGGCCAGTGTGTGGTGTTCATATGGGACCCACAGGACCTGTGTGAGATCTGGAG	539
457	TTGTGTGCCAGTGTGAGAGTGTGCGCTGTGTGCCCTTCAGAGCCCTCTGTGCGCCAGAGCCCGACGAA	516
540	TTGGTGTCCCGTGTGAGAGTGTGGCGTTGTGTCCCTCGAGGCGCCCTGTGTGCGCCAGGCCCCAGAA	599
517	CTTTCACACTGTGTTCATCAAAAAACACAGTCACTCTTCAGCAAGTTCAACTTCTCTAAGTCCAA	576
600	CTTTCACACTGTGTTCATCAAAAAACACAGTCACTCTTCAGCAAGTTCAACTTCTCTAAGTCCAA	659
577	TGCTTCGGAGACCTGGGACCCCACTATTTTATGACATGCGCGCTATCAAAACCAAAATTCAG	636
660	TGCTTCGGAGACCTGGGACCCCACTATTTTATGACATGCGCGCTATCAAAACCAAAATTCAG	719
637	CCCCCTACTGTCCCGTGTTCGCGCATTTGGGGACCTCGTGGCCCAAGGCTGGAGGACCTTCGGA	696
720	CCCCCTACTGTCCCGTGTTCGCGCATTTGGGGACCTCGTGGCCCAAGGCTGGAGGACCTTCGGA	779
697	GGACCTGGCGTGTCTGGGTGGCTCTGTAGGCAATCAGAGTTCACTTGGGAATTTGTGACCTTGA	756
780	GGACCTGGCGTGTCTGGGTGGCTCTGTGTAGGCATCAGAGTTCACTTGGGAATTTGTGACCTTGA	839
757	CACCGGGGACTCTGGCTGTGGCTCACTACTCTTCACGCTGCAGAGAGAGCTACAA	816
840	CACCGGGGACTCTGGCTGTGGCTCACTACTCTTCACGCTGCAGAGAGAGCTACAA	899
817	CTTCAGGACAGCCACTCACTGGTGGGAGCAACCGGGTGTGGAGCCCGCACCTGTCTCAA	876
900	CTTCAGGACAGCCACTCACTGGTGGGAGCAACCGGGTGTGGAGCCCGCACCTGTCTCAA	959
877	GCTCTATGGAAATCCGTTTCGACATCTCTCGTCAACCGGCGAGGCAAGGAGTTTCGGGCTCAT	936
960	GCTCTATGGAAATCCGTTTCGACATCTCTCGTCAACCGGCGAGGCAAGGAGTTTCGGGCTCAT	1019
937	CCCCACGCGGTTCACACTGGGCGCACCGGGGCGAGCTTGGCTGGGCGTGTGTCACTTTTCTG	996
1020	CCCCACGCGGTTCACACTGGGCGCACCGGGGCGAGCTTGGCTGGGCGTGTGTCACTTTTCTG	1079
997	TGACCTCTACTGTCTGTATGTGGATAGAGAAGCCCAATTTCTACTGGAGGACAAAGTATGA	1056
1080	TGACCTCTACTGTCTGTATGTGGATAGAGAAGCCCAATTTCTACTGGAGGACAAAGTATGA	1139
1057	GGAGGCCAAGGCCCGCCGAAAGCAACCGGCCAACTCTGTGTGGAGGAGCTGGCCCTTGCATC	1116
1140	GGAGGCCAAGGCCCGCCGAAAGCAACCGGCCAACTCTGTGTGGAGGAGCTGGCCCTTGCATC	1199
1117	CCAAAGCCCGACTGGCCGAGTGCCTCAGACGGAGCTCAGACCTGTGCAACCGGCGCACTGC	1176
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1177	TGCTGGGAGTTCAGACACAGACACCGAGATGGCCCTGTCCAAAGTTCTGACACCCACTTGGC	1236
1260	TGCTGGGAGTTCAGACACAGACACCGAGATGGCCCTGTCCAAAGTTCTGACACCCACTTGGC	1319
1237	AAACCCATTCGGGAGCCCTGTAGCCGTTTCCCTCTGTGTGTGAGAGTTGGGGGCTGGGAAGG	1296
1320	AAACCCATTCGGGAGCCCTGTAGCCGTTTCCCTCTGTGTGTGAGAGTTGGGGGCTGGGAAGG	1379
1297	CGGGGCCCTGTGCTGGGGAATCTCAAGAGATGAGGCCCGCCAGCATGTGAGAGATTTGGGGGTAGAAT	1356
1380	CGGGGCCCTGTGCTGGGGAATTTCAAGGATGAGGCCCGCCAGCATGTGAGAGATTTGGGGGTAGAAT	1439
1357	TCCACCTCTGAAACCCAGCAGACAGTCCCTCCCTGTGACTCCCACTTGGTAGGGTGTCTG	1416
1440	TCCACCTCTGAAACCCAGCAGAAACAGTCCCTCCCTGTGACTCCCACTTGGTAGGGTGTCTG	1499
1417	CTCAGGGAGCCATAGAAAGTGGCTGTGTGTGTGTGAGACGGCGCACGAACTTCACCCGTGGAG	1476
1500	CTCAGGGAGCCATAGAAAGTGGCTGTGTGTGTGTGAGACGGCGCACGAACTTCACCCGTGGAG	1559
1477	ACTGGGAGAGCCCGACAGCGCACTGTATATGACAGGGCTCCGACTGTGTGCGAGGGGCTC	1536
1560	ACTGGGAGAGCCCGACAGCGCACTGTATATGACAGGGCTCCGACTGTGTGTGCGAGGGGCTC	1619

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Qy 577 TGCCTTGGAGACTGGGACCCCACTTATTTTAAGCACTGCCGTATGAACCAATTCAG 636
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Qy 637 CCGCTACTGTCGGTGTTCGGCAATGGGCACTGTCGGCCAGGCTGGAGGACCTTCGA 696
Db 720 CCGCTACTGTCGGTGTTCGGCAATGGGCACTGTCGGCCAGGCTGGAGGACCTTCGA 779
Qy 697 GGACCTGGGCTTCTGCTGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACTGGA 756
Db 780 GGACCTGGGCTTCTGCTGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACTGGA 839
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Db 840 CACCGGGGACTTGGCTGTGGCTCTCACTACTCTTCCAGCTGCGAGGAGAGCTTACAA 899
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Db 900 CTTTCAAGACGCACTCACTGTGGGAGCAACCGGGTGTGGAGCCCGCACCTGCTCAA 959
Qy 877 GCTCTATGGAATCCGGTCTCGACATCTCGTCAACGGGGCAGGAGGAGTTGGGGCTCAT 936
Db 960 GCTCTATGGAATCCGGTCTCGACATCTCGTCAACGGGGCAGGAGGAGTTGGGGCTCAT 1019
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Qy 997 TGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTGGAGGACAAAGTATGA 1056
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Qy 1057 GGAGGCCAAGGCCCGGAAAGCAACCGCAACTCTGTGTGGAGGAGCTGGCCCTTGCAATC 1116
Db 1140 GGAGGCCAAGGCCCGGAAAGCAACCGCAACTCTGTGTGGAGGAGCTGGCCCTTGCAATC 1199
Qy 1117 CCAAGCCCGACTGGCCGAGTGCCTCAGACGGAGCTCAGCACCTTGCAACCCACGCGCACTGC 1176
Db 1200 CCAAGCCCGACTGGCCGAGTGCCTCAGACGGAGCTCAGCACCTTGCAACCCACGCGCACTGC 1259
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RESULT 3
US-09-381-681-1
; Sequence 1, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: Q55876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1293
; TYPE: DNA

; ORGANISM: Human
US-09-381-681-1
Query Match 42.9%; Score 1155.8; DB 3; Length 1293;
Best Local Similarity 99.8%; Pred. No. 5.3e-287;
Matches 1157; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 97 GTGGGCTCTCTCGCCAAAAGGCTACGAGAGCGGACCTTGGAAACCCAGTTTTCAT 156
Db 135 GTGGGCTCTCTCGCCAAAAGGCTACGAGAGCGGACCTTGGAAACCCAGTTTTCAT 194
Qy 157 CATCAACCAAACTCAAAGGGTTTCCGTCACTCAGATCAAGAGCTTGGAAACCGGCTGTG 216
Db 195 CATCAACCAAACTCAAAGGGTTTCCGTCACTCAGATCAAGAGCTTGGAAACCGGCTGTG 254
Qy 217 GGATGTGGCGGACTTCTGTGAGCCACCTCAGGAGGAGAACGTTCTTCTTGGTGACCAA 276
Db 255 GGATGTGGCGGACTTCTGTGAGCCACCTCAGGAGGAGAACGTTCTTCTTGGTGACCAA 314
Qy 277 CTTTCTTGTAGCCCGACGCTCAAGTTTCAAGGAGATGCCAGAGCACCCGCTCCGCTCCACT 336
Db 315 CTTTCTTGTAGCCCGACGCTCAAGTTTCAAGGAGATGCCAGAGCACCCGCTCCGCTCCACT 374
Qy 337 GGCTAACTGCTGGGTGCAAGGACTGCCCCGAAAGGGAGGAGGACACACAGGACACGG 396
Db 375 GGCTAACTGCTGGGTGCAAGGACTGCCCCGAAAGGGAGGAGGACACACAGGACACGG 434
Qy 397 TGTAATAACAGCCGACTGTTGTTTCAATGGGACCCACAGGACTGTGAGATCTGGAG 456
Db 435 TGTAATAACAGCCGACTGTTGTTTCAATGGGACCCACAGGACTGTGAGATCTGGAG 494
Qy 457 TTGGTGCCCGAGTGGAGTGGCGTTGTGCTTCAAGAGGCCCCCTGCTGGGCCAGGCCCCAGAA 516
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Qy 517 CTTTCACTGTTTCATCAAAAACACAGTCACTTCAAGCAAGTTCAAATCTCTTAAGTCCAA 576
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Qy 697 GGACTTGGCTTGTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGAACCTGA 756
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Qy 877 GCTCTATGGAATCCGGTTCGACATCCTCGTCAACCGGGGAGGAGGAGTTCCGGGCTCAT 936
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Qy 937 CCCCACGGCGTCACTGGGACCGGGGAGCTTGGCTGGGGTGGTCACTTTTTCG 996
Db 975 CCCCACGGCGTCACTGGGACCGGGGAGCTTGGCTGGGGTGGTCACTTTTTCG 1034
Qy 997 TGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTGGAGGACAAAGTATGA 1056
Db 1035 TGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTGGAGGACAAAGTATGA 1094
Qy 1057 GGAGGCCAAGGCCCGGAAAGCAACCGCAACTCTGTGTGGAGGAGCTGGCCCTTGCAATC 1116

Db 1095 GGAGGCCAAGCCCCGGAAGCACACCGCCAACTCTGTGTGGAGGAGCTGGCCCTTGCATC 1154
QY 1117 CAAAGCCGACTGGCCGAGTGCTCAGACGGAGCTCAGACCTGCAACCCACGCGCACTGC 1176
Db 1155 CCAAGCCGACTGGCCGAGTGCTCAGACGGAGCTCAGACCTGCAACCCACGCGCACTGC 1214
QY 1177 TGCTGGAGTTCAGACACGACACAGGATGGCCCTCTCCAGTTCCTGACACCACTTGGC 1236
Db 1215 TGCTGGAGTTCAGACACGACACAGGATGGCCCTCTCCAGTTCCTGACACCACTTGGC 1274
QY 1237 AACCATTCGGGAGGCTG 1255
Db 1275 AACCATTCGGGAGGCTG 1293
RESULT 4
US-09-191-136-28
; Sequence 28, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burchard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; FILE REFERENCE: 6293.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; EARLIER FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; EARLIER FILING DATE: 1998-01-16
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 28
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequencing Primer
US-09-191-136-28
Query Match 14.6%; Score 394.4; DB 3; Length 396;
Best Local Similarity 99.7%; Pred. No. 2e-91;
Matches 395; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db 1 AATCCGCTTCGACATCCTCGTCACCGGGCAGGAGGAGTTCGGGCTCATCCCAACGCG 60
QY 946 CGTCACTCGGGCAGCGGGCAGCTTGGCTGGCGGTGTCACCTTTTCTGTGACTGCT 1005
Db 61 CGTCACTCGGGCAGCGGGCAGCTTGGCTGGCGGTGTCACCTTTTCTGTGACTGCT 120
QY 1006 ACTGCTGTATGTGATAGAGAGCCATTTCTACTGGAGGACAAAGTATGAGGAGGCCAA 1065
Db 121 ACTGCTGTATGTGATAGAGAGCCATTTCTACTGGAGGACAAAGTATGAGGAGGCCAA 180
QY 1066 GGGCCCGAAAGCAACCGCCAACTCTGTGTGGAGGAGCTTGGCCCTTGCATCCCAAGCCCG 1125
Db 181 GGGCCCGAAAGCAACCGCCAACTCTGTGTGGAGGAGCTTGGCCCTTGCATCCCAAGCCCG 240
QY 1126 ACTGGCCGAGTGCTCAGACGGAGCTCAGACCTGCAACCCACGCGCACTGTGCTGGGAG 1185
Db 241 ACTGGCCGAGTGCTCAGACGGAGCTCAGACCTGCAACCCACGCGCACTGTGCTGGGAG 300
QY 1186 TCAGACACAGACACACAGGATGGCCCTGTCCAGTTCTGACACCCACTTGCACCAACCAATTC 1245

Db 301 TCAGACACAGACACACAGGATGGCCCTGTCCAGTTCTGACACCACTTGCACCAACCAATTC 360
QY 1246 CGGGAGCCTGTAGCCGTTCCCTCTGCTGCTGTGAGAGTT 1281
Db 361 CGGGAGCCTGTAGCCGTTCCCTCTGCTGCTGTGAGAGTT 396
RESULT 5
US-09-949-016-367
; Sequence 367, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 367
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-367
Query Match 9.0%; Score 243.6; DB 4; Length 1978;
Best Local Similarity 58.3%; Pred. No. 2.8e-52;
Matches 501; Conservative 0; Mismatches 329; Indels 30; Gaps 3;
QY 98 TGGGCTCTCTCGCCCAAAAAGGCTACAGAGCGGGACCTGGAAACCCAGTTTCCATC 157
Db 175 TGGGTTTCTCTGATAAAGAGGGTTTACCAAGACGTCTGTCACCTCTCCCTCGAGAGTCTGTC 234
QY 158 ATCACCACAACTCAAGGGGTTTCCGTCACTCAGATCAAGGAGCTTGGAAACCGGCTGTGG 217
Db 235 ATCACCACAAAGTCAAGGGGCTGCGCTTACCAACACCTCGATCTTGGCAGCGGATCTGG 294
QY 218 GATGTGGCCGACTTCTGTGAAGCCACTTCAGGGAGAGAACGTGTTCTTCTGTGTGACCAAC 277
Db 295 GATGTGGCCGACTTCTGTGAAGCCACTTCAGGGAGAGAACGTGTTCTTGTGTGTGACCAAC 354
QY 278 TTCCTTGTAGCGCCAGCCCAAGTTTCAAGGGCAGATGCCAGAGACCCCTGCTCCCTCCACTG 337
Db 355 CTGATTTGTGACCCCAACCCAGCGGAGAACGTCTGTGTGATGAAAGGCAATTCCTGAT 414
QY 338 GCTAACTCTGGTTCAGAGGAGTTCGCCCGAAGGGAGGAGGACACACAGACCCAGCT 397
Db 415 GCGCGTCTCTCAAGGACAGGACTGCGCCACCGCTGGGGAAGCGTTTACAGCTGGAACGGA 474
QY 398 GTAAAAACAGGCGAGTGTGTGGTG ---TTCAATGGGACCCACAGGACCTGTGAGATCTGG 454
Db 475 GTGAAGACCGCCGCTGCTCGGAGAGGGAACCTTGGCCAGGGGCACTGTGTGAGATCTTT 534
QY 455 AGTTGGTCCCAAGTGAGAGTGGCGTGTGCGCTCGAGGCCCTGCTGCGCCAGGCCAG 514
Db 535 GCCTGGTCCCGTTGGAGACAAAGCTCCAGGCCGGAGGAGCAATTCCTGAAAGAGGCCGAA 594
QY 515 AACTTCACACTGTTTCATCAAAAAACACAGTCACTTTCAGCAAGTTTCAACTTCTTAAGTCC 574
Db 595 GACTTCACATTTTCTAAGAAACCAACATCGTTTCCCAATTCATCTTCTCCAAAAAC 654
QY 575 AATGCTTTGGAGACTGGGACCCCACTTATTTTAAAGCACTGCGCTATGAACCAATTC 634
Db 655 AATGTGATGGAGCTCAAGGACAGATCTTTCTCTGAAATCATGCCACTTTGGGCCCAAG --- 711

635 AGCCCTACTGTCCTGCTGTCGCAATGCGGACCTCGTGGCCAGGCTGGAGGACCTTTC 694
712 AACCACTACTGCGCCATCTTCGACCTGCTCCATCGTCCGCTGGCGCGGAGCGACTTC 771
695 GAGGACCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 754
772 CAGGATATAGCCCTGCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 831
755 GACACCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 809
832 GATTAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 891
810 -----GCTACAACTTCAGGACGACCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 850
892 TCNAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 951
851 GGTGTGAGCGCGGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 910
952 GGGGTGAGTTCGCGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1011
911 GGGCAGGCGGGAAGTTCCG 930
1012 GGCAGGGTCTTCTTCTG 1031

RESULT 6
US-09-016-434-831
; Sequence 831, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 831:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1750 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SCORNOT01
; CLONE: 555697
; US-09-016-434-831

Query Match 8.9%; Score 239.2; DB 4; Length 1750;
Best Local Similarity 56.3%; Pred. No. 3.6e-51;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;
QY 152 TCCATCATCACCACAACTCAAGGGGTTTCCGTCACATCAGATCAAGGAGCTTGGAAACCGG 211
DB 214 TCCGTTACGACCAAGGTCAAGGGCGTGGCTGTGACCAACACTTCTAAACTTGGATTCGCG 273
QY 212 CTGTGGGATGTGGCGCACTTCGTGAAGCCACCTCAGGGAGAGAAAGTGTCTTCTTGGTG 271
DB 274 ATCTGGGATGTGGCGGATTTGTGATACCGAGCTCAGGAGGAAACTCTCCCTCTTCTGTCATG 333
QY 272 ACCAACTCTCTTGTGACGCGCAGCCCAAGTTCAAGGACAGATGCCAGAGACACCCGTCCTGTC 331
DB 334 ACCAACGCTGATCCTCACCATGAACACAGACACAGGCGCTGTGCCCGCAGATTC---CAGAT 390
QY 332 CCACTGGCTTAAGTCTGGGTGACAGAGACTGCCCGGAGGGAGGAGGAGGACACACAGC 391
DB 391 GCGACCACTGTGTGTAAATCAGATGCCAGTGTATCTGCCGGCTCTGCCGGCACCACACAGC 450
QY 392 CACGGTGTAAAAAAGAGGCGCAGTGTGTGTGTGTCAATGGGACCCACAGGACCTGTGAGATC 451
DB 451 AACGGAGTCTCAACAGGAGGTGCTGCTTCAACGGGTCCGTCAAGACGTGTGAGGTG 510
QY 452 TGGAGTTGGTGCCTCAGTGGAGAGTGGC---GTTGTGCCCTCGAGGCCCTGCTGCGCCAG 508
DB 511 GCGGCTGTGCTGCGGTGGAGGTGACACACAGTGCACACACCTGCTTTTAAAGGCT 570
QY 509 GCCGAGAACTTCACTGTTTCAATAAACAACAGTCACTTCAGCAAGTTTCAACTTCTCT 568
DB 571 GCAGAAACTTCACTCTTTTGGTTAAGAACACATCTGTTATFCCCAATTTAATTTTCAAC 630
QY 569 AAGTCCAATGCTTCGAGACCTGGGACCCCACTTATTTAAGCACTTGCCTGCTATGAACA 628
DB 631 AAGAGAAATATCTTCCCAACATCACTACTTCACTCAAGTGTGCAATTTATGATGT 690
QY 629 CAATTCAGCCCTACTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 688
DB 691 AAAACAGATCCTTCTGCCCCATATTCCTGCTTGGCAAAATAGTGGAGAACGACGACAC 750
QY 689 ACCTTCGAGGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 748
DB 751 AGTTTCCAGGACATGGCGCTGGAGGAGGACATCATGGGCATCCAGGTCAACTGGGACTGC 810
QY 749 GACCTGGACACCGGGGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 806
DB 811 AACCTGGACAGAGCCGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 870
QY 807 -----AGAGCTACAACTTTCAGGACAGCCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 841
DB 871 CGGGAGCTTGAGCACACATATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 930
QY 842 GAGCAACCGGGTGTGGAGCGCGCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 901
DB 931 GACCTGGCTGGCAACGAGCAGCGCAGCTCATCAAGGCGCTATGGCATTCGCTTTCGACATC 990
QY 902 CTCGTCACCGGCGCAGGAGGAGTTCGGGCTCATCCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 961
DB 991 ATTTGTTTGGGAGGCGAGGAGAAATTTGACATCATCCCCCATCATGATCAAGATCGGCTCT 1050
QY 962 GGGGCGAGCTTGGCTGGGCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1021
DB 1051 GGCCTGGCACTGTAGGACATGGCGACCGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1110
QY 1022 AGAAGAGCCATTTCTTACTTGGAGGACAAAGTATGAGGAG 1061
DB 1111 AAAAAAGACTCTACTATCGGAGGAGAAATATAAATATG 1150

RESULT 7
US-08-742-621-2
; Sequence 2, Application US/08742621
; Patent No. 5856129

GENERAL INFORMATION:
APPLICANT: HILLMAN, JENNIFER L.
TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/742,621
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0147 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1762 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY:
CLONE: CONSENSUS
US-08-742-621-2

Query Match 8.9%; Score 239.2; DB 2; Length 1762;
Best Local Similarity 56.3%; Pred. No. 3.6e-51;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;

QY 152 TCATCATCACCAAACTCAAAGGGGTTTCCGTCACATCAGATCAAGGAGCTGGAAACCGG 211
DB 214 TCGTTTACGACCAAGGTCAAGGGCGTGGTGTGACCAACACTTCTAAACTTGGATTCCGG 273
QY 212 CTGTGGGATGTGCCCACTTCGTGAAGCCACTCAGGAGAGAACGTGTCTTCTTGGTG 271
DB 274 ATCTGGGATGTGGCGGATATGTGATACCACTCAGAGCTCAGGAGGAAACTCCCTCTTCGTGATG 333
QY 272 ACCAATCTCTGTGACGCCAGCCCAAGTTTCAGGGCAGATGCCAGAGACCCGTCCTGTC 331
DB 334 ACCAAGTATCTTCAACATGAACACAGACAGAGGGCTGTGCCCGAGATTC---CAGAT 390
QY 332 CCACTGGCTAACTGTCTGGGTGCGACGAGGACTGCCCGAAGGGAGGGAGGACACACAGC 391
DB 391 GCGACCACTGTGTGTAATCAGATGCGAGTGTACTGCGGCTCTGCGGGCCACACAGC 450
QY 392 CAGGTGTAAACAGGCGCAGTGTGTGGTGTCAATGGGACCCACAGGACCTGTGATGATC 451
DB 451 AACGGAGTCTCAACAGGCGAGTGTGTGAGTGTTCACAGGGTCCGTCAAGAGCTGTGAGGTG 510
QY 452 TGGAGTGTGTGCGCCAGTGAGGTGGC---GTGTGCGCTCGAGGGCCCTGTGCGCCAG 508
DB 511 GCGGCTGTGTGCGCGGTGGAGGATGACACAGCTGCGCACACCTGCTTTTAAAGGT 570
QY 509 GCCCAGAACTTCACTGTTCATCAAAAACACAGTCACCTTCAGCAAGTTCACACTTCTCT 568
DB 571 GCAGAAACTTCACTCTTTTGGTTAAGAACACATCTGGTATCCCAAAATTAATTTCAGC 630

QY 569 AAGTCCAATGCTTGGAGACCTGGGACCCCACTTATTTTAAGCACTGCGGCTATGAACCA 628
DB 631 AAGAGGAATATCTTTTCCCAACATCACCACTACTTACCTCAAGTCGTGCAATTTATGATGCT 690
QY 629 CAATTTCAAGCCCTACTGTCCCGTGTTCGCGCATTTGGGGACCTCGTGGCAAGGCTGGAGG 688
DB 691 AAAACAGATCCCTTCTGCCCAATATTCGCTTTGGCAAAATAGTGGAGAACGACGACAC 750
QY 689 ACCTTTCAAGGACCTGCGGTGTGCTGGTGGCTCTGTAGGCATCAGAGTTTCACTGGGATGCT 748
DB 751 AGTTTCCAGGACATGCGCGTGGAGGGAGGCATCATGGGCATCCAGGTCAACTGGGACTGC 810
QY 749 GACCTGGACACCGGGGACTCTGGCTGTGGCTCTCACTACTCTCCAGCTGACGAGAGA-- 806
DB 811 AACCTGGACAGAGCGCGCTCCCTCTGCTTGGCCAGGTACTCTCTCCGCGCTCGATACA 870
QY 807 -----AGAGCTACAACTTTCAGGACAGCCACTCACCTGGTGG 841
DB 871 CGGAGCTTGAACACAGTATCTCTCGCTACAAATTTTCAGGTTTGCAGTACTACAGA 930
QY 842 GAGCAACCGGTGTGGAGGCGCGCACTCTCAAGCTCTATGGAATCGCTTCGACATC 901
DB 931 GACCTGGCTGGCAACGAGCAGCGCTCATCAAGGCTATGGCATCGCTTCGACATC 990
QY 902 CTCGTCAACCGGCGAGGAGGAGTTTCGGGCTCATCCCAAGGCGCTCACACTGGGCGCC 961
DB 991 ATTGTGTTTGGGAGGCGAGGAAATTTGACATCATCCCCACTATGATCAACATCGGCTCT 1050
QY 962 GGGGCGAGCTTGGCTGGGCTGCTCACCTTTTCTGTGACCTGCTACTGCTGTATGCGAT 1021
DB 1051 GGCCTGGCAGCTGCTAGGCAATGCGGACCGTGTGTGTGACATCATAGTCTCTACTGCTATG 1110
QY 1022 AGAGAAAGCCCAATTTCTACTGGAGGACAAAGATATGAGGAGG 1061
DB 1111 AAGAAAGACTCTACTATCGGAGAGAAATATAAATATG 1150

RESULT 8

US-09-191-608-21

; Sequence 21, Application US/09191608

; Patent No. 6242216

; GENERAL INFORMATION:

; APPLICANT: Lynch, Kevin J.

; APPLICANT: Burgard, Edward C.

; APPLICANT: Metzger, Randy E.

; APPLICANT: Niforatos, Wende

; APPLICANT: Touma, Edward B.

; APPLICANT: Van Biesen, T.

; TITLE OF INVENTION: Nucleic Acids Encoding a Functional

; TITLE OF INVENTION: Human Purinoreceptor P2X2 and P2X4 And Methods Of Production

; FILE REFERENCE: 6394.US.P1

; CURRENT APPLICATION NUMBER: US/09/191,608

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 21

; LENGTH: 1206

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-191-608-21

Query Match 8.8%; Score 237.6; DB 3; Length 1206;

Best Local Similarity 56.2%; Pred. No. 7.7e-51;

Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

Db 267 ATCTGGGAGTGGCGGATTATGTATACAGCTCAGGAGGAAACTCCCTCTTCTGTCATG 326
QY 272 ACCAACTTCTGTGAGCCAGCCCAAGTTTCAGGGCAGATGCCAGAGCACCGCTCGCTC 331
Db 327 ACCAACTGATCTTCACTGATGACGAGACAGAGGCTGTGCCCGGAGATC---CAGAT 383
QY 332 CCACTGGCTAACTGTCTGGTGTGAGGAGTCCCGAAGGGGAGGAGGACACACAGC 391
Db 384 GCGACCACTGTGTGTAATCAGATGCCAGCTGTACTGCCGGCTCTGCCGACCCACAGC 443
QY 392 CAGGTGTAAAACAGCCAGTGTGTGTTCAATGGGACCCACAGGACCTGTGATC 451
Db 444 AACGGAGTCTCAACAGCAGTGTGTGTTTCAACGGGTCCGCTCAAGAGCTGTAGGTG 503
QY 452 TGGAGTTGGTGGCCAGTGGAGAGTGGC---GTTGTGCCCTCGAGGCCCTCTGTCGGCCAG 508
Db 504 GCGGCTGTGTCCGGTGGAGGATGACACACATGTCACCACTGTCTGTTTAAAGGCT 563
QY 509 GCCCAGAACTTCACTGTTTCATCAAAAACACAGTCACTTCAGCAAGTTTCAACTTCTCT 568
Db 564 GCAGAAACTTCACTCTTTTGGTTAAGAACACATCTGGTATCCCAAATTTAATTTTCA 623
QY 569 AAGTCCAAATGCCCTTGGAGACTGGGACCCCACTATTTTAAAGCACTGCCCTATGAACA 628
Db 624 AAGAGGAATATCTTCCCAACATCACCACTACTTACCTCAAGTCTGTCATTTATGATGCT 683
QY 629 CAATTCAGCCCTACTGTCCCGTGTCCGATTTGGGGACCTCTGTGGCCAGGCTGGAGG 688
Db 684 AAACAGATCCCTTCTGCCCATATTCGCTTGGGCAAAATAGTGGAGAACGAGGACAC 743
QY 689 ACCTTCAGGACCTGGCTGTGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTG 748
Db 744 GGTTCAGGACATGGCGTGGAGGAGGCATCATGGGCATCCAGTCAACTGGGACTGC 803
QY 749 GACTGGAACCGGGAGTCTGGCTGTGGCTTCACTATCTCTTCAAGTGTGAGGAGA-- 806
Db 804 AACCTGAGACAGCCGCTCCCTCTGTCTTGGCCAGGTAATTTGACATCATCCCACTATGAT 863
QY 807 -----AGAGCTACAACTTCAGGACGCCACTCACTGCTGGTGG 841
Db 864 CGGAGCTGTGAGCACAGTATCTCTGGCTCAATTTTCAAGTTTGCAGTACTACAGA 923
QY 842 GAGCAACCGGGTGTGAGGCGCCGACCTCTCAAGCTCTATGGAATCCGCTTCGACATC 901
Db 924 GACTGTGCTGCAACAGCAGCAGCGCTCATCAGGCTATGGCATCCGCTTCGACATC 983
QY 902 CTGCTACCGGGCAGGAGGAGTTCGGGCTCATCCCAAGGCGGTCACTGGGGACC 961
Db 984 ATTGTGTTTGGGAAGGAGGAGAAATTTGACATCATCCCACTATGATCAACATCGGCTCT 1043
QY 962 GGGGAGCTTGGCTGGGCGTGGTCACTTTTCTGTGACCTGTCTGCTGTATGTTGGAT 1021
Db 1044 GGCTGGCACTGTAGGCATGGGACCGCTGCTGTGACATCATATGCTCTACTGCTGATG 1103
QY 1022 AGAAGAGCCATTTCTACTGGAGGACAAAGTATGAGGAGG 1061
Db 1104 AAGAAAGACTTACTACTTCGGGAGAGAAATATATATG 1143

RESULT 9

US-09-949-016-3548
; Sequence 3548, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3548
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-3548

Query Match
Best Local Similarity 56.2%; Pred. No. 8.3e-51;
Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCCATCATCACCACCTCAAGGGGTTTCGTCACCTCAGATCAAGGCTTGGAAACCGG 211
Db 214 TCGGTTACACCAAGGTCAAGGGCGTGGTGTGACCAACTTCTTAACTTGAATCCCG 273
QY 212 CTGTGGGATGTGCCGACCTTCGTGAAGCACTTCAGGAGAGAACTGTCTTCTTGGTG 271
Db 274 ATCTGGGATGTGGCGATTATGTATACCACTCAGTCAAGGAGAACTCCCTCTTCTGTCATG 333
QY 272 ACCAACTTCTGTGAGCCAGCCAAAGTTTCAGGGCAGATGCCAGAGCACCGTCCGTC 331
Db 334 ACCAACTGATCTCCTACCATGAACACAGACAGAGGGCTGTGCCCGAGATTG---CAGAT 390
QY 332 CCACTGGCTAACTGTCTGGGTGACAGAGGACTGCCGAGAGGGAGGAGGACACACAGC 391
Db 391 GCGACCACTGTGTGTAATCAGATGCCAGTCTGTCTGCCGGCTCTGCCGACCCACAGC 450
QY 392 CAGCGTGTAAAACAGCCAGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATC 451
Db 451 AACGGAGTCTCAACAGGAGGCTGTGATCTTCAAGGCTGTGAGGAGTGTGAGG 510
QY 452 TGGAGTTGGTGGCCAGTGGAGAGTGGC---GTTGTGCCCTCGAGGCCCTCTGTCGGCCAG 508
Db 511 GCGGCTGTGTGCCGCTGGAGGATGACACAGCTGCCACACTGCTTTTTTAAAGGCT 570
QY 509 GCCCAGAACTTCACTGTTTCATCAAAAACACAGTCACTTCAGGAGTTCACCTTCTCT 568
Db 571 GCAGAAACTTCACTCTTTTGGTTAAGAACAACTCTGTTATCCCAAATTTAATTTTCA 630
QY 569 AAGTCCAACTGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTGCCCTATGAACCA 628
Db 631 AAGAGGAATATCTTCCCAACATCACCATCTACTTCACTCAAGTCTGCTATGATGCT 690
QY 629 CAATTCAGCCCTTACTGTCTCCGTTCCGATTTGGGACCTCGTGGCCAAAGGCTGGAGGG 688
Db 691 AAAACAGATCCCTTCTGCCCATATTTCCGCTCTTGGCAAATAAGTGGAGAACGAGGACAC 750
QY 689 ACCTTCAGGACCTGGCGTGTGTGGTGGCTCTGTAGGACATCAGATTCACCTGGGATGTT 748
Db 751 AGTTTTCAGGACATGGCCGCTGGAGGAGGACATCATGGGCATCCAGTCAACTGGGACTGC 810
QY 749 GACCTGGACACCGGGGACTCTGGCTGCTGGCTCACTTCTCTTCCAGTTCAGGAGAGA-- 806
Db 811 AACCTGGAACAGCCGCTCTCCCTCTGCTTGGCCAGGTAATTTGACATCATCCCACTATGAT 870
QY 807 -----AGAGCTACAACTTCAGGACGCCACTCACTGCTGGTGG 841
Db 871 CGGAGCTGTGAGCACAACTATCTCTCGCTCAATTTTCAAGTTTGCAGGTTTCCCAAGTACTACAGA 930
QY 842 GAGCAACCGGGTGTGAGGCGCCGACCTGTCTCAAGCTCTATGGAATCCGCTTCGACATC 901
Db 931 GACCTGGCTGGCAACAGCAGCAGCGACGCTCATCAAGGCTATGGGCATCCGCTTCGACATC 990
QY 902 CTGCTCACCGGGCAGGAGGAGTTCGGGCTCATCCCAAGGCGGTCACTGAGGAGGAGG 961
Db 991 ATTGTGTTTGGGAGGAGGAGAAATTTGACATCATCCCACTATGATCAACATCGGCTCT 1050
QY 962 GGGGAGCTTGGCTGGGCGTGGTGGTCACTTTTCTGTGACCTGCTACTGCTGTATGTTGGAT 1021

Db 1051 GGCTGGCACTGCTAGGCATGGCGACCGTCTGTGTGACATCATAGTCTCTACTGCATG 1110

Qy 1022 AGAAGAGCCCATTTCTACTGGAGGACAAAGATATGAGGAGG 1061

Db 1111 AAGAAAGACTCTACTATCGGAGAGAAATATAATATG 1150

RESULT 10

US-09-949-016-4136

; Sequence 4136, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 4136

; LENGTH: 2597

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-4136

Query Match 8.7%; Score 233.4; DB 4; Length 2597;

Best Local Similarity 56.7%; Pred. No. 1.4e-49;

Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

Qy 164 AAACCTAAGGGGTTTCCGTCTACTCAGATCAAGGAGCTTGGAAACCGGCTGTGGATGG 223

Db 376 AAACCTAAGGGGCTGGCGTGACCCAGCTCCCTGGCTCGGCCCGGAGTCTGGGATGG 435

Qy 224 GCGACTTCTGTGAAGCCACTCAGGGAGAGAAAGTCTTCTTGTGTGACCAACTTCTCTT 283

Db 436 GCTGACTAGTCTTCCAGCCAGGGGAGCAACTCTTCTGTGTGATGACCAATTTTCATC 495

Qy 284 GTGACCCAGCCCAAGTTTCAAGGAGATGCCAGAGACCCGTCCTGTCCTCACTTGGCTAAC 343

Db 496 GTGACCCCAAGCAGACTCAAGGCTACTCGCAGAGCACCC-----AGAGGGGGCATA 549

Qy 344 TGCTGGGTGAGGAGACTGCCCGAAGGGAGGGAGGCACACACAGCCACCGTGTAAAA 403

Db 550 TGAAGGAAGACAGTGGCTGTACCCCTGGGAAGGCCAAGAGGAGGCCCAAGGCATCCGC 609

Qy 404 ACAGGCCAGTGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATCTGGAGTTGGTGC 463

Db 610 ACGGCAAGTGTGTGGCTTCAACGACATGTGAGACGTGTGAGATCTTTGGCTGGTGC 669

Qy 464 CAGTGGAGAGTGGCGTTTGTGGCTCGAGGC---CCCTGTGGCCCGAGCCCGCAGAACTTC 520

Db 670 CCGTGGAGGTGATGACGACATCCCGCGCTTCTCGAGAGCCCGAGAACTTC 729

Qy 521 ACACGTCTCATAAACACAGTCACTTTCAGCAAGTTCACCTCTCTAAGTCCCAATGCC 580

Db 730 ACTCTTTTATCAGAACAGCATCAGCTTTTCCAGCTTCAAGGTCAACAGGGCGCACTTG 789

Qy 581 TTGGAGACCTGGGACCCACCTATTTTAAGCACTGCGGCTATGAACCAACAATTTCAAGCCC 640

Db 790 GTGGAGGAGTGAATGCTGCCACATGAAGACTGCTCTTTTCAAGAGACCCCTGCACCCC 849

Qy 641 TACTGTCCCGTGTTCGCAATTTGGGACCTCGTGGCCAGGCTGGAGGAGCACTTTCAGAGGAC 700

Db 850 CTGTGCCAGTCTTCCAGCTTGGCTACGTGGTGCAGAGTCAAGGCGCAGAACTTTCAGCACC 909

Qy 701 CTGGCGTGTGGTGGCTCTGTAGGCATCAGAGTTTCACTGGGATTTGTGACCTTGGACACC 760

Db 910 CTGGCTGAGAGGGTGGAGTGTGGCATCACCATCGACTGCACCTGTGACCTGGACTGG 969

Qy 761 GGGGACTCTGGCTCTGGCTCCTCACTACTCTCTTCCAGCTGCGAGGAGAAGA----- 809

Db 970 CAGGTACGGCACTGCAGACCCCATCTATGAGTTTCCATGGCTGTACGAAGAGAAAATCTC 1029

Qy 810 -----GCTACAACCTTACGACAGCCACTCACTGGTGGGAGCAACCGGGTGTGGAGGCC 862

Db 1030 TCCCCAGGCTTCAACTTCAGGTTTCCAGGCACTTTTGTGGAGAAC---GGGACCAACTAC 1086

Qy 863 CGCACCCCTGCTCAAGCTCTATGGAATCCGCTTTCGACATCTCTGTCACCGGGCAGGCGG 922

Db 1087 CGTCACTCTTCAAGGTGTTTGGGATTCGCTTTGACATCTCTGTCGACCGCAAGGCCGGG 1146

Qy 923 AAGTTCTGGGCTCATCCCCACGCGCCCTCACACTGGGACCGGGCGAGCTTGGCTGGGCGTG 982

Db 1147 AAGTTTGACATCATCCCTACAATGACCACTCGGCTCTGGAATTTGGCATCTTTGGGGTG 1206

Qy 983 GTCACTTTTCTGTGACCTGCTACTGCTGTATGTGGATAGAGAGCCCATTTCTTACTGG 1042

Db 1207 GCCACAGTTCTCTGTGACCTGCTGCTTCACTCATCTCTGCTTAAGAGGCACTACTACAAG 1266

Qy 1043 AGGACAAAGTATGAGGAGGCCCAAGGCC 1069

Db 1267 CAGAAGAGTTTCAAAATACGCTGAGGAC 1293

RESULT 11

US-08-750-134A-10

; Sequence 10, Application US/08750134A

; Patent No. 5985603

; GENERAL INFORMATION:

; APPLICANT: VALERA, SOLEDAD

; APPLICANT: BUELL, GARY

; TITLE OF INVENTION: P2x RECEPTORS (PURINOCEPTOR FAMILY)

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NIXON & VANDERHYE P.C.

; STREET: 1100 NORTH GLEBE ROAD

; CITY: ARLINGTON

; STATE: VIRGINIA

; COUNTRY: U.S.A.

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/750,134A

; FILING DATE: 22-JAN-1997

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: CRAWFORD, ARTHUR C.

; REGISTRATION NUMBER: 25,327

; REFERENCE/DOCKET NUMBER: 1430-116

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 816-4006

; TELEFAX: (703) 816-4100

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2643 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-08-750-134A-10

Query Match 8.7%; Score 233.4; DB 2; Length 2643;

Best Local Similarity 56.7%; Pred. No. 1.4e-49;

Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

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Db |||||
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Qy |||||
404 ACAGGCGAGTGTGTGTTCATGTGGACCCAGAGACCTGTGAGATCTGGAGTTGGTGC 463
Db |||||
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Qy |||||
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Db |||||
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Qy |||||
521 ACAGTGTTCATCAAAACACAGTCACTTCAGCAAGTTCACACTTCTTAAGTCCAAATGCC 580
Db |||||
729 ACTCTTTTCATCAAGAACAGCATCAGCTTTCACGCTTCAAGGTCAACAGGGGCAACCTG 788
Qy |||||
581 TTGGAGACCTGGACCCCACTTATTTAAGCACTGGCTGATGAACCAACATTCAGCCCC 840
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849 CTGTGCCAGTCTTCAGCTTGGCTAGTGGTGTGAAGATCAGGCGCAGAACTTCAGCACC 908
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1043 AGGACAAAGTATGAGGAGGCCAAGGCC 1069
Db |||||
1266 CAGAAGAGTTCAATACGCTGAGGAC 1292

RESULT 12

US-09-363-745-10
; Sequence 10, Application US/09363745
; Patent No. 6194162
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2X RECEPTORS (PURINOCCEPTOR FAMILY)

NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/363,745
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/750,134
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: CRAWFORD, ARTHUR C.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 1430-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4006
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 2643 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-09-363-745-10

Query Match 8.7%; Score 233.4; DB 3; Length 2643;

Best Local Similarity 56.7%; Pred. No. 1.4e-49;

Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

Qy 164 AACTCAAGGGGTTTCCTGCTCACTCAGATCAAGAGCTTGGAAACCGGCTGTGGGATGTG 223
Db |||||
375 AACTCAAGGGGCTGGCGCTGACCCAGCTCCCTGGCTCGGCCCCCGAGTCTGGGATGTG 434
Qy 224 GCGGACTTCGTGAAGCCACTCAGGAGAGAGAGCTGTTCTTCTTGTGTGACCACTTCCTT 283
Db |||||
435 GCTGACTAGCTTCTCCAGCCAGGGGGAGAACTCTCTTGTGTGATGACCAATTTTCATC 494
Qy 284 GTGACGCCAGCCCAAGTTTCAGGGCAGATGCCAGAGCACCCGCTCCCTCCCACTGGGCTAAC 343
Db |||||
495 GTGACCCCGAGCAGACTCAAGGCTACTGCGCAGAGCACCC-----AGNAGGGGCATA 548
Qy 344 TGTGGGTGACAGAGACTGCCCCGAAAGGGAGGAGGACACACAGACCGAGTGTGAAAA 403
Db |||||
549 TGAAGGAAACAGACTGGCTGTACCTCTGGAGAGGCCAAGAGGAGGCCCAAGGCATCCCG 608
Qy 404 ACAGGCGAGTGTGTGTTCATGTGGACCCAGAGACCTGTGAGATCTGGAGTTGGTGC 463
Db |||||
609 ACGGCAAGTGTGTGGCTTCAACGACACTGTGAAGACGTGTGAGATCTTGGCTGGTGC 668
Qy 464 CAGTGGAGAGTGGCGTTGTGCGCTCGAGGC---CCCTGTGGCCCGAGGCCCAAGAACTTC 520
Db |||||
669 CCGTGGAGTGTGAGTGAAGACATCCCGGCCCTGCTCTTCCAGAGGCGGAGAACTTC 728
Qy 521 ACAGTGTTCATCAAAACACAGTCACTTCAGCAAGTTCACACTTCTTAAGTCCAAATGCC 580
Db |||||
729 ACTCTTTTCATCAAGAACAGCATCAGCTTTCACGCTTCAAGGTCAACAGGGGCAACCTG 788
Qy 581 TTGGAGACCTGGGACCCCACTTATTTAAGCACTGGCTGATGAACCAACATTCAGCCCC 640
Db |||||
789 GTGGAGAGTGAATGCTGCGCCACATGAAGACCTGCTCTTTCACAGAGCCCTTCGACCCC 848
Qy 641 TACTGTCCCGTGTTCGCGCATTTGGGACCTCGTGGCCAAAGCTGGAGGAGCTTCGAGGAC 700

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Db 849 CTGTGCCAGTCTTCAGCTTGGCTAGCTGGTGCAGAGTCAGCCAGAACTTCAGCAC 908
QY 701 CTGGCTGCTGGTGGCTCTCTGAGCATCAGAGTTTCACTGGGAATTGTGACCTGGACACC 760
Db 909 CTGGCTGAGAAAGGTGGAGTGGTTGGCATCACCATCGACTGGCACTGTGACCTGGACTGG 968
QY 761 GGGGACTCTGGCTGGCTCACTACTCTTCCAGCTGCAGGAGAAGA----- 809
Db 969 CAGGTACGGCACTGCAGACCCATCTATGATTTCCATGGGCTGTACGAAGAGAAAAATCTC 1028
QY 810 -----GCTACAACTTCAGGACAGCACTCACTGGTGGAGCAACCGGGTGTGGAGGCC 862
Db 1029 TCCCCAGGCTTCACTTCAGTTTGCAGGCACTTTGTGAGAAC-----GGGACCACTAC 1085
QY 863 CGCACCTCTCAAGCTCTATGGAATCCCGTTTGCACATCTCTGTCAACCGGGCAGGCGGG 922
Db 1086 CGTCACCTCTTCAAGGTGTGGGAATTCGCTTTGACATCTCTGTGGACGCAAGGCCGGG 1145
QY 923 AAGTTGGGCTCATCCCCAGGCGCTCACACTGGGCAACCGGGCAGCTTGGCTGGGCGTG 982
Db 1146 AAGTTTGACATCATCCCTACAATGACCACCATGGGCTCTGGAATTGGCATCTTTGGGGTG 1205
QY 983 GTCACCTTTTCTGTGACCTGTACTGTCTGTATGTGGATAGAGAGCCCAATTTCTACTGG 1042
Db 1206 GCCACAGTTCTCTGTGACCTGTCTGTCTGTCTGTCACTCTCTGCTTAAGAGGCACACTACAG 1265
QY 1043 AGGACAAAGTATGAGGAGGCCAAGGCC 1069
Db 1266 CAGAAGAAGTTCAAAATACGCTGAGGAC 1292
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RESULT 13

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US-09-023-655-897
; Sequence 897, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 897:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2643 base pairs
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g1166437
; US-09-023-655-897

Query Match 8.7%; Score 233.4; DB 4; Length 2643;
Best Local Similarity 56.7%; Pred. No. 1.4e-49;
Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

QY 164 AACTCAAGGGTTTCGGTCACTCAGATCAAGAGCTTGGAAAACGGCTGTGGGATG 223
Db 375 AACTCAAGGGCTGGCGGTGACCAGCTCCCTGGCCCTGGCCCCAGGCTCTGGGATG 434
QY 224 GCGCACTTCGTGAAGCCACCTCAGGGAGAGAACTGTCTTCTTGGTGAACCAACTTCCTT 283
Db 435 GTGACTAGTCTTCCAGCCCGGGGACAACTCTTCTGGTGTATGACCAATTTTCATC 494
QY 284 GTGACCGCAGCCAAAGTTTCAAGGGCAGATGCCAGAGACACCCGTCGTCCTCACTGGCTAAC 343
Db 495 GTGACCCCGAAGCAGACTCAAGGCTACTGCGCAGAGCACCC-----AGAGGGGCGCAT 548
QY 344 TCCTGGGTGCGAGGACTGCCCCGAAAGGGGAGGAGGCACACACAGCCACCGTGTAAA 403
Db 549 TGCAAGGAAGACAGTGGCTGTACCCCTGGGAAGGCCAAGAGGAAGGCCCAAGGCATCCGC 608
QY 404 ACAGGCCAGTGTGTGTGTTCAAATGGGACCCACAGAGACTGTGAGATCTGGAGTTGGTGC 463
Db 609 ACGGCAAGTGTGTGGCTTCAACGACACTGTGAAGAGCGTGTGAGATCTTTGGCTGGTGC 668
QY 464 CCAGTGGAGAGTGGCGTTGTGCCCTCGAGGC---CCCTGTGGGCCCGCCAGGCCAGAACTTC 520
Db 669 CCGGTGGAGTGGATGACGACATCCCGGCCCTGTCCCTTCTCCGAGAGGCCGAGAACTTC 728
QY 521 ACACGTTCATCAAAAACACAGTCACTTCAGCAAGTTCACTTCTCTAAAGTCCATGCC 580
Db 729 ACTCTTTTCAACAAGACAGCATCAGCTTTCACGCTTCAAGGTCAACAGGGCGCAACTGC 788
QY 581 TTGGAGACTCTGGACCCCACTTATTTAAGCACTCCGCTATGAACCACTTCAAGTTCAGCCCC 640
Db 789 GTGGAGGAGTGAATGCTGCCACATGAAGACCTTCTTTCACAGACCTTGCACCCC 848
QY 641 TACTGTCCGTGTTCCGCAATTTGGGACCTCTGTGGCAAGGCTGTGAGGAGCACTTTCAGAGAC 700
Db 849 CTGTGCCAGTCTTCCAGCTTGGCTACGTTGGTGAAGAGTCAAGGCGCAGAACTTCAGCAC 908
QY 701 CTGGGTTGTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGACCTGGACACC 760
Db 909 CTGGCTGAGAGGGTGGAGTGGTTGGCATCACATCGACTGGCATCTGTGACCTGGACTGG 968
QY 761 GGGGACTCTGGCTGGCGCTCACTTCTTCCAGCTGCAGGAGAAGA----- 809
Db 969 CAGGTACGGCACTGCAGACCCATCTATGATTTCCATGGGCTGTACGAAGAGAAAAATCTC 1028
QY 810 -----GCTACAACTTCAGGACAGCACTCACTGGTGGAGCAACCGGGTGTGGAGGCC 862
Db 1029 TCCCCAGGCTTCAACTTCAGGTTTCCAGGCACTTTTGTGGAGAAC---GGGACCAACTAC 1085
QY 863 CGCACCTCTCAAGCTCTATGGAATCCGCTTTCGACATCTCTGTCAACCGGGCAGGCGGG 922
Db 1086 CGTCACCTCTTCAAGGTGTGGGAATTCGCTTTGACATCTCTGTGGAGCGGCAAGGCCGGG 1145
QY 923 AAGTTTCGGGCTCATCCCCAGGCGCTCACACTGGGCAACCGGGCAGCTTGGCTGGGCGTG 982
Db 1146 AAGTTTGACATCATCCCTACAATGACCACCATCCGCTCTGGAATTTGGCATCTTTGGGGTG 1205
QY 983 GTCACTTTTCTGTGACCTGTCTGTATGTGTGATAGAGAGCCCAATTTCTACTGG 1042
Db 1206 GCCACAGTCTCTGTGACCTGTCTGTCTGTCTGTCTGTCACTCTCTGCTTAAGAGGCACACTACAG 1265
QY 1043 AGGACAAAGTATGAGGAGGCCAAGGCC 1069
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Db 1266 CAGAAGAGTTCAAATACGCTGAGGAC 1292

RESULT 14

US-09-949-016-365
; Sequence 365, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 365
; LENGTH: 2643
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-365

Query Match 8.7%; Score 233.4; DB 4; Length 2643;
Best Local Similarity 56.7%; Pred. No. 1.4e-49;
Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

QY 164 AACTCAAGGGGTTTCCTCACTCAGATCAAGGACTTGGAAACCGGCTGGGATGG 223
Db 375 AACTCAAGGGGCTGGCGTGGACCCAGCTCCCTGGCCCTGGCCCGGCTGGGATGG 434
QY 224 GCGACTTCGTGAAGCCACTCAGGGAGAGAACTGTTCTTGTGTGACCAACTTCCTT 283
Db 435 GCTGACTAGTCTTCCAGCCAGGGGAGCACTCTTGTGTGATGACCAATTCATC 494
QY 284 GTGACGCCAGCCAAAGTTCAGGGCAGATGCCAGAGACCGGTCCGTCCACTGGGTAAC 343
Db 495 GTGACCCCGAAGCAGACTCAAGGCTACTGCGCAGAGCACCC-----AGAAGGGGCATA 548
QY 344 TGTGGGTGAGAGGACTGCCCGAAGGGGGAGGAGGCACACAGACCAAGCTGTAAAC 403
Db 549 TGAAGGAAGACAGTGGCTGTACCCCTGGGAAGGCCAAGAGGAAGGCCCAAGGCATCCGC 608
QY 404 ACAGGCCAGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATCTGGAGTTGGTGC 463
Db 609 ACGGCAAGTGTGTGCTTCAACGACATGTGAGACGTGTGAGATCTTTGGTGGTGC 668
QY 464 CCAGTGGAGTGGGCTTGGCCCTCGAGGC---CCCTGCTGGCCAGGCCCGCAGAACTTC 520
Db 669 CCGTGGAGTGTGATGACACATCCCGCGCCCTGCGCTTCTCGAGAGCCGAGAACTTC 728
QY 521 AACTGTTTCATCAAAACACAGTTCACCTTCAGCAAGTTCAACTTCTTAAGTCCATGCC 580
Db 729 ACTCTTTTCATCAAGAACAGCATCAGCTTTTCCACGCTTCAAGGTCAACAGGCGCAACTG 788
QY 581 TTGGAGACCTGGGACCCCACTTATTTAAGCACTGCGGTATGAACCAATTCAGCCCC 640
Db 789 GTGGAGAGGTGAAATGCTGCCCAACATGAAGACTGCTCTTTCAAGAGACCTTGACCCC 848
QY 641 TACTGTCCGTGTTCCGATTTGGGACCTCGTGGCCAAAGCTGGAGGGACCTTCGAGGAC 700
Db 849 CTGTGCCAGTCTTCAGCTTGGCTACGTGGTGAAGAGTCAAGGCCAGAACTTCAGCAC 908
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Db 909 CTGGCTGAGAAGGGTGGAGTGGTTGGCATCACCATCGACTGGCACTGTGACCTGGACTGG 968

QY 761 GGGGACTCTGGCTGGGCTCACTACTCTTCCAGCTGCAGGAGAAGA----- 809
Db 969 CAGGTACGGCACTGCGAGACCCCATCTATGAGTTCCATGGGCTGTACGAGAGAAAATCTC 1028
QY 810 -----GCTACAACCTTACGAGACAGCCACTCACTGGTGGGAGCAACCCGGGTGGAGGCC 862
Db 1029 TCCCCAGGCTTCAACTTCAGGTTTGCAGGCACTTTGTGGAGAAC---GGGACCAACTAC 1085
QY 863 CGCACCCCTGCTCAAGCTCTATGGAATCCGCTTCGACATCTCGTCAACCGGGCAGGCGAGG 922
Db 1086 CTTCACTCTTCAAGGTGTTGGGATTCGCTTTGACATCTGTTGACACCGGCAAGGCCGGG 1145
QY 923 AAGTTGGGCTCATCCCCAGCCCGTCACTATGGGCACCGGGCAGCTTGGTGGGCGTG 982
Db 1146 AAGTTTGACATCATCCCTACAATGACCACCATCGGCTCGGAATGGCATCTTTGGGGTG 1205
QY 983 GTACCTTTTCTGTGACCTGCTACTGCTGTATGTGGATAGAGAGCCCATTTTCTACTCG 1042
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QY 1043 AGGACAAAGTATGAGGAGGCCAAGGCC 1069
Db 1266 CAGAAGAGTTCAAATACGCTGAGGAC 1292

RESULT 15

US-09-949-016-4138
; Sequence 4138, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4138
; LENGTH: 1946
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-4138

Query Match 8.6%; Score 231.6; DB 4; Length 1946;
Best Local Similarity 58.1%; Pred. No. 3.4e-49;
Matches 500; Conservative 0; Mismatches 329; Indels 31; Gaps 4;

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QY 158 ATCAACAACTCAAGGGGTTTCCGTCACTCAGATCAAGAGGAGCTTGGAAACCGGCTGTGG 217
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QY 218 GATGTGGCGGCTTCTGTGAAGCCACTCAGGGAGAGACGTGTTCTTCTTGGTGACCAAC 277
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Db 355 CTGATTGTGACCCCA-ACCAGCGGAGAAAGCTGCTGTGCTGAGATGAAGGCATTCCTGAT 413
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Db 414 GCGCGTGTCTCCAAGGACAGCGACTGCCCAAGCTGGGGAAGCGGTTACAGCTGGAACGGA 473

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

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(without alignments)
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21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1592.6	59.1	16449	10	US-09-820-095-3
3	567.4	21.1	569	9	US-09-864-761-9190
4	377	14.0	577	9	US-09-864-761-9695
5	285.6	10.6	2299	21	US-10-895-225A-54
6	243.6	9.0	1978	17	US-10-172-118-786
7	243.6	9.0	1978	18	US-10-342-887-786

RESULT 1
US-09-820-095-1
; Sequence 1, Application US/09820095
; Publication NO. US2003023368A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CLO01202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2693
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-1

ALIGNMENTS

8	243.6	9.0	1978	20	US-10-370-715B-571	Sequence 571, App
9	239.2	8.9	1167	21	US-10-676-289-1	Sequence 1, Appli
10	239.2	8.9	1389	17	US-09-833-082-1	Sequence 831, App
11	239.2	8.9	1750	17	US-10-305-720-831	Sequence 20, Appl
12	237.6	8.8	1269	20	US-10-128-558-20	Sequence 18, Appl
13	237.2	8.8	1167	17	US-10-386-414-18	Sequence 16, Appl
14	237.2	8.8	2048	18	US-10-386-414-16	Sequence 1468, Ap
15	237.2	8.8	2048	18	US-10-240-425-1468	Sequence 256, App
16	237.2	8.8	2048	21	US-10-482-029-256	Sequence 4, Appli
17	236.6	8.8	2048	17	US-10-187-659A-4	Sequence 225, App
18	233.4	8.7	2633	9	US-09-969-347-225	Sequence 8354, Ap
19	233.4	8.7	2633	21	US-10-843-641A-8354	Sequence 53, Appl
20	233.4	8.7	2643	17	US-10-352-684A-53	Sequence 897, App
21	233.4	8.7	2643	18	US-10-641-643-897	Sequence 285, App
22	233.4	8.7	2643	19	US-10-283-975A-285	Sequence 331, App
23	226	8.4	1956	9	US-09-864-864-331	Sequence 239, App
24	226	8.4	1986	17	US-10-283-975A-239	Sequence 3, Appli
25	215.4	8.0	1831	17	US-10-452-879-3	Sequence 12, Appl
26	213.2	7.9	1380	15	US-10-345-680-12	Sequence 10, Appl
27	213.2	7.9	1389	15	US-10-345-680-10	Sequence 307, App
28	212.6	7.9	1639	11	US-09-764-875-307	Sequence 53, Appl
29	181.4	6.7	1616	18	US-10-336-472-53	Sequence 51, Appl
30	164	6.1	1583	18	US-10-336-472-51	Sequence 25779, A
31	163	6.1	163	9	US-09-864-761-26100	Sequence 646, App
32	157.4	5.8	159	9	US-09-864-761-25779	Sequence 158909,
33	156.4	5.8	517	16	US-10-029-386-646	Sequence 14351, A
34	156	5.8	647	13	US-10-027-632-158909	Sequence 9732, Ap
35	156	5.8	647	17	US-10-027-632-158909	Sequence 26122, A
36	151	5.6	151	16	US-10-029-386-14351	Sequence 149, App
37	148.4	5.5	565	9	US-09-864-761-9732	Sequence 2179, Ap
38	148	5.5	185	9	US-09-864-761-26122	Sequence 9249, Ap
39	146.4	5.4	1926	16	US-10-133-013-149	Sequence 41, Appl
40	144.6	5.4	440	9	US-09-864-761-2179	Sequence 370, App
41	144.6	5.4	576	9	US-09-864-761-9249	Sequence 38, Appl
42	140.4	5.2	1422	17	US-10-051-874-41	
43	135.2	5.0	1893	22	US-10-491-545A-41	
44	131.2	4.9	961	18	US-10-641-643-370	
45	129.6	4.8	958	21	US-10-895-225A-38	

Db 61 GACAGGCTGGGGCTTCTGGATTATAGAGGAGAGTGGGCTCTCCTCGCCAAAAGG 120
Qy 121 CTACAGGAGCGGAGCCTTGGAAACCCAGTTTTCATCATCAACAACTCAAGGGGTTTC 180
Db 121 CTACAGGAGCGGAGCCTTGGAAACCCAGTTTTCATCATCAACAACTCAAGGGGTTTC 180
Qy 181 CGTCACTCAGATCAGAGGAGCTTGGAAACCCGCTGTGGGATGTGGCCGACTTGTGAAGCC 240
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Qy 241 ACCTCAGGAGAGAAAGCTGTCTTCTTGTGTGACCAACTTCTTGTGACGCGCAGCCCAAGT 300
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Qy 301 TCAGGSCAGATGCCACAGACACCCGTCGCTCCCACTGGCTAACTGTGTGGGTGACAGGA 360
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Qy 361 CTGCCCCGAGGAGGAGGAGGACACACAGACCAAGTGTAAACACAGGCACTGTGTGGT 420
Db 361 CTGCCCCGAGGAGGAGGAGGAGGACACACAGACCAAGTGTAAACACAGGCACTGTGTGGT 420
Qy 421 GTTCAATGAGACCCACAGACACTGTGAGATCTGGAGTTGGTGTGCGCAGTGGAGTGGCT 480
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Qy 661 TGGGACCTCGTGGCCAAAGCTGGAGGACCTTCGAGGACCTGGCGTGGCTGGCTG 720
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Qy 721 TGTAGGCATCAGAGTTCACTGGGATGTGACCTTGGACACCGGGGACTGTGGCTGTGGCC 780
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Qy 781 TCACACTCTCTTCAGCTCAGAGAAAGCTACAACTTCAGACAGACCACTCACTGGTG 840
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Qy 841 GGAGCAACCGGGTGTGGAGGCGCGACCTGTCAAGCTCTATGGAATCCGCTTCGACAT 900
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Db 1081 CGCCAACTGTGTGGAGGAGCTGGCCCTTGCATCCCAAGCGCGCTGCTGGCTGCT 1140
Qy 1141 CAGACGAGCTCAGCACCTGACCCACAGGCGCACTGTCTGGAGTGCAGACAGACACC 1200
Db 1141 CAGACGAGCTCAGCACCTGACCCACAGGCGCACTGTCTGGAGTGCAGACAGACACC 1200

Qy 1201 AGGATGGCCCTGTCCAAGTTCGACACCCACTTGCACACCCATTCGGGAGCCTGTAGCC 1260
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Qy 1801 CCAGGAGTCTTAATCTAGGGAATGGGGTGGAGTAGGAGATATCACTCCCTATGCC 1860
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Qy 1861 CCCAGCAAGGCGGAGCATGTGTCTTGGGCCCACTGTCTTATGAGGACCCGCG 1920
Db 1861 CCCAGCAAGGCGGAGCATGTGTCTTGGGCCCACTGTCTTATGAGGACCCGCG 1920
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Qy 1981 GGCTAAGTTGGTGTATTTGGGTTCTTCAGGACCTTCTATATCCCTCTCGTAAACCCC 2040
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Qy 2101 GTGGAGGCTGTACATCTGAAATTCATCTCAGTCCAACTTACCTAGAGAGCTGTCTGG 2160
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Qy 2221 TGGTTTCCAAAACACACCGAGATCTCCTCAGGCTGGCCAGGTTTTTGCAGCTGGAAT 2280
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Db 14626 CACCTGAGGCTCAGTAATAATGCTGGGTCCCTGCTGCTCTCAATCTCCAGAGCCATG 14685
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QY 2613 GGCTGACAAAGTCAAGGAGTAAAGCCAGCAAGGCCACC 2651
Db 14806 GGCTGACAAAGTCAAGGAGTAAAGCCAGCAAGGCCACC 14844

RESULT 3
US-09-864-761-9190/c
; Sequence 9190, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeonica-X-1
; CURRENT FILING DATE: 2001-05-23
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9190
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.4
US-09-864-761-9190
Query Match 21.1%; Score 567.4; DB 9; Length 569;
Best Local Similarity 99.8%; Pred. No. 1.6e-147;
Matches 568; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db 569 ACCTGTATTGACAGGGCTCCGACTGTCAGTGGCAGGGGCTCTGCTGCGCTCTGGGCTGGA 510
QY 1557 GGTCTCTCTCCAGTGTCTGTCCTCCAGTGTTCCTAGCAGAGGTATGTTACAGCTGTC 1616
Db 509 GGTCTCTCTCCAGTGTCTGTCCTCCAGTGTTCCTAGCAGAGGTATGTTACAGCTGTC 450
QY 1617 AGCAGAGACCTCTGCTGCTGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1676
Db 449 AGCAGAGACCTCTGCTGCTGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 390
QY 1677 AGGTAGAGACCCACCTCTCCATCGCTCTACATGGGGCTGTGACAGCTGGAGCCAAAAG 1736
Db 389 AGGTAGAGACCCACCTCTCCATCGTCTACATGGGGCTGTGACAGCTGGAGCCAAAAG 330
QY 1737 GCAAGGCAGAAAGAGAGAGTGTATGGGGAGGGGATGTTTCAGCTTCTTGCTGCTGTA 1796
Db 329 GCAAGGTAGAAAGAGAGAGTGTATGGGGAGGGGATGTTTCAGCTTCTTGCTGCTGTA 270
QY 1797 TGCCCCCAGGAGTCTTAATCTAGGGAATGGGTGGAGTAGGCAGATATCCACCTCCCT 1856
Db 269 TGCCCCCAGGAGTCTTAATCTAGGGAATGGGTGGAGTAGGCAGATATCCACCTCCCT 210
QY 1857 ATCCCCCAGGCAAGGGCGGAGCATGTCTTTGGGCCACACCTGTTAGTTTATGAGGAC 1916
Db 209 ATCCCCCAGGCAAGGGCGGAGCATGTCTTTGGGCCACACCTGTTAGTTTATGAGGAC 150
QY 1917 CGGCTGCTTTCCAGTGTAGCCCTTTTGGCCATGGAGGTCTGGGAGAGAGCAGAGGGCG 1976
Db 149 CGGCTGCTTTCCAGTGTAGCCCTTTTGGCCATGGAGGTCTGGGAGAGAGCAGAGGGCG 90
QY 1977 GCAGGGCTAAGTTGGTGTATCATTTGGTTCCTTCAGGACCTCTATATCCCTCCGTTAAC 2036
Db 89 GCAGGGCTAAGTTGGTGTATCATTTGGTTCCTTCAGGACCTCTATATCCCTCCGTTAAC 30
QY 2037 CCCCCAGGCCCAACCCCTTTGGAATCTTTCC 2065
Db 29 CCCCCAGGCCCAACCCCTTTGGAATCTTTCC 1
RESULT 4
US-09-864-761-9695/c
; Sequence 9695, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeonica-X-1
; CURRENT FILING DATE: 2001-05-23
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456

;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: US 09/632,366
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: GB 24263.6
;; PRIOR FILING DATE: 2000-10-04
;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
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;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00663
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00662
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;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00670
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
;; SEQ ID NO 9695
;; LENGTH: 577
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC002472.3
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 15
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 47
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 17
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.2
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 59
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 25
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 22
US-09-864-761-9695

Query Match 14.0%; Score 377; DB 9; Length 577;
Best Local Similarity 100.0%; Pred. No. 2.1e-94;
Matches 377; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2275 GGAATTCCTCTTGGTCCAGGGGGGCGAGGAAATCTTAAGTGTCCACCCCGAGGG 2334
DB 577 GGAATTCCTCTTGGTCCAGGGGGGCGAGGAAATCTTAAGTGTCCACCCCGAGGG 518
QY 2335 CAAGGGGCTGCTTTCACCTGTGGGTACCTGTGATCAGGGCAAGCTGTGAGGGCCAGGG 2394
DB 517 CAAGGGGCTGCTTTCACCTGTGGGTACCTGTGATCAGGGCAAGCTGTGAGGGCCAGGG 458
QY 2395 GTGGGGCTGAGCTGGGCTGACATCTAGAAATCACCTGCCACCTGAGGCTCAGTAAATG 2454
DB 457 GTGGGGCTGAGCTGGGCTGACATCTAGAAATCACCTGCCACCTGAGGCTCAGTAAATG 398
QY 2455 CTGGGGTCCCTGCTCTCAATCTCCAGAGCCATGTCCATGTGGAGGTGGGCTCTGA 2514
DB 397 CTGGGGTCCCTGCTCTCAATCTCCAGAGCCATGTCCATGTGGAGGTGGGCTCTGA 338
QY 2515 AGGGGCAAGGTGGGAGAGCAGGGCCCTGAGGCTGGGTATCCAAAGGAGGGGCAAGTGA 2574

DB 337 AGGGCGAAGGTGGGAGAGCAGGGCCCTGAGGCTGGGTATCCAAAGAGGGGCAAGTGA 278
QY 2575 CCGTATTCTCTCTGGGGCCAGAGGAGCTGATGTATGCTGGCTGGACAAAGTCAAGGATA 2634
DB 277 CCGTATTCTCTCTGGGGCCAGAGGAGCTGATGTATGCTGGCTGGACAAAGTCAAGGATA 218
QY 2635 AAGCCAGCAAGCCACC 2651
DB 217 AAGCCAGCAAGCCACC 201
RESULT 5
US-10-895-225A-54
; Sequence 54, Application US/10895225A
; Publication No. US20050048587A1
; GENERAL INFORMATION:
; APPLICANT: Rao, Patricia
; APPLICANT: Snyder, Jessica
; APPLICANT: Bagley, Andria
; TITLE OF INVENTION: METHODS FOR IDENTIFYING TOLERANCE
; TITLE OF INVENTION: MODULATORY COMPOUNDS AND USES THEREFOR
; FILE REFERENCE: TLN-025
; CURRENT APPLICATION NUMBER: US/10/895,225A
; CURRENT FILING DATE: 2004-07-19
; PRIOR APPLICATION NUMBER: 60/488,502
; PRIOR FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: FastSeq For Windows Version 4.0
; SEQ ID NO 54
; LENGTH: 2299
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-895-225A-54

Query Match 10.6%; Score 285.6; DB 21; Length 2299;
Best Local Similarity 57.9%; Pred. No. 1.1e-68;
Matches 582; Conservative 0; Mismatches 394; Indels 30; Gaps 3;
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QY 158 ATCAACAACTCAAGGGGTTTCCGTCACTCAGATCAAGGAGCTTGGAAACCGGCTGTGG 217
DB 272 GTCAACCAAGTCAAGGGGTGCGCTTATACCAACACCAAGATCTTGGGGAACGACTCTG 331
QY 218 GATGGCGGACTTCGTGAAGCCACTCAGGGAGAGAGTGTCTTCTTGTGTGACCAAC 277
DB 332 GATGGCGGAGCTTTGTCTTCGTTCTCAGGGGGAGAACGTTTCTTCTGTGTGTCACCAAC 391
QY 278 TTCTTGTGAGCGCCAGCCCAAGTTTCAGGGGAGATGCCAGAGACCCCGTCCGTCACATG 337
DB 392 CTGATCGTGACTCTTAACAGGGCGAGGCTCTGTGTGAGCGTGAAGGATCCCGAT 451
QY 338 GCTAACTCTCTGCTGAGAGGACTGCCCCGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAG 397
DB 452 GCGAGTGTTCAGAGGACACCGACTGTCACTGCTGGGAGTCTGTGTGAGCGGACACGGA 511
QY 398 GTAAAAACAGGCGAGTGTGT---GGTGTTCATATGGGACCCACAGGACTGTGAGATCTGG 454
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QY 455 AGTTGGTCCAGTGGAGAGTGGGCTTGTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 514
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QY 515 AACTTCACATGTTTCAATAAACAACAGTCACTTTCAGCAAGTTCACATCTTCTTAAGTCC 574
DB 632 GCTTCAACATTTTCATTAAGAGATTCATTCGCTTCCCAAGTTCATCTTCTCAAGGC 691
QY 575 AATGCTTGGAGACTGGGAGCCCACTATTTTAAAGCACTGCCGTATGAAACCAACAATTC 634
DB 692 AATGCTTAGAAGACAGGCAACAAACATTTTCTGTAAGAAACCTGTCACTTCACTGCTCCA ---CC 748

QY 635 AGCCCTACTGTCCCGTGTTCGGCATTTGGGACCTCGTGGCCAAAGGCTGGAGGACCTTTC 694
DB 749 AATCTCTACTGCCCCATCTTCGGACTGGGGTCCAATTGTTTCGTCGGCGAGGGCTGACTTTC 808
QY 695 GAGGACCTGGCGTTGCTGGTGGCTCTGTAGGCATCAGAGTTTCACTTGGGATTTGACCTTG 754
DB 809 CAGGACATAGCCCTGAAGGGCGGTGTGATAGGATCCATTGAATGGGACTGTGACCTT 868
QY 755 GACACGGGACTCTGGCTGTGGCTCTACTCTCTCCAGTCCAGTGGAGAGA----- 809
DB 869 GATAAAGCTGCCTCCCACTGCAACCCACACTATTATTTCAACCGTCTGGACAAACAC 928
QY 810 -----GTTAAACTTCAGACAGCCACTCACTGTGGGAGCAACCG 850
DB 929 ACACATCCATCTCTCTGGGTATTAATTTCAAGTTTGGCAGGTATTAACCGTACCTCAT 988
QY 851 GGTGTGGAGCGCGCACCTGCTCAAGCTCTATGGAATCCGCTTCGACATCTCTGTCACC 910
DB 989 GGGGTAGAGTTCCGTGACCTGATGAAGCATATCGGATCCGCTTTGATGTAGTATTAAT 1048
QY 911 GGGCAGGAGGAAAGTTCCGGGCTCATCCCGACGGCGCTCACACTGGGCACCGGGGCGAGCT 970
DB 1049 GGCAAGCGGGAATAATTCAGCATCATCCCAAGTCAATCAATTTGGTTCCGGGCTGGGG 1108
QY 971 TGGCTGGGCTGGTCACTTTTCTGTGACCTGTACTGCTGTATGTGTGATAGAGAGCC 1030
DB 1109 CTCATGGGTGCTGGGGCTTTCTTGTGACCTGGTACTTATCTATCTATCAGAAAGAGC 1168
QY 1031 CATTTCTACTGGAGGACAAAGTATGAGGAGGCCAAGGCCCGGAAAG 1076
DB 1169 GAGTTTACGAGACAGAAGTTTGAGAAGGTGAGGGGTCAAGG 1214

RESULT 6

US-10-172-118-786
; Sequence 786, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 786
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM 002561
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-786

Query Match 9.0%; Score 243.6; DB 17; Length 1978;
Best Local Similarity 58.3%; Pred. No. 5.4e-57;
Matches 501; Conservative 0; Mismatches 329; Indels 30; Gaps 3;
QY 98 TGGGCTCTCTCGCCAAAAGGCTACAGAGCGGAGCTGGAACCCAGTTTCCATC 157
DB 175 TGGGTGTTCTGATAAAGAGGGTTACCAAGAGCGTCGACACCTCCCTGCAGAGTGTCTGC 234
QY 158 ATCAACCAAACTCAAGGGGTTTCCGTCCTCTCAGATCAAGGAGCTTGGMAACCGGCTGTGG 217

DB 235 ATCAACAAAGTCAGGGCGTGGCCCTTACCAACACCTCGGATCTTGGGACGGGATCTGG 294
QY 218 GATGTGGCCGACTTGTGTAAGCCACTCAGGGAGAGAAAGTGTCTTCTTGGTGACCAAC 277
DB 295 GATGTGGCCGACTTGTGTAAGCCACTCAGGGAGAGAAAGTGTCTTCTTGGTGACCAAC 354
QY 278 TTCTTGTGAGCCAGCCCAAGTTTCAGGGAGATGCCAGAGCACCCGTCGTCCTCCACTG 337
DB 355 CTGATTTGTGACCCCAACACCGGCGAAGCTGTGTGTGAGAAATGAAGGCAATTCCTGAT 414
QY 338 GCTAACTCTCTGGGTCCAGCAGAGCTGCCCCGAAGGGAGGGAGGCACACACAGACCCAGCT 397
DB 415 GCGCGTCTCTCAAGGACAGCAGCTGCCACCGCTGGGGAAGCGGTTACAGCTGGAACCGA 474
QY 398 GTAAAAACAGCCAGTGTGTGGTG---TTCAATGGGACCCACAGGACCTGTGAGATCTGG 454
DB 475 GTGAAGACCGCGCGCTCGCGGAGAGGGAATTTGGCCAGGGGCACCTGTGTGAGATCTTT 534
QY 455 AGTTGGTCCCAAGTGGAGAGTGGGTGTGTCCTCGAGGCCCTGCTGGCCAGGCCCCAG 514
DB 535 GCCTGTGTCCTGTGGAGCAAGCTCCAGGCCGGAGGAGCCATTCCTGAAAGGAGGCCGAA 594
QY 515 AACTTCACACTGTTTCATCAAAAAACACAGTCACTTTCAGCAAGTTTCAACTTCTTAAGTCC 574
DB 595 GACTTCACATTTTCATTAAGAAACACATCCGTTTCCCAATTCNAATTTCTCCAAAAC 654
QY 575 AATGCTTTGGAGACTGGGACCCCACTTATTTTAAAGCACTCCGCTATGAACCAATTC 634
DB 655 AATGTGATGAGAGCTCAAGGACAGATCTTTCCTGAAATCATGCCACTTTTGGGCCCAAG-- 711
QY 635 AGCCCTCTACTGTCGGTGTTCGGCATTTGGGACCTCGTGGCCAAAGGCTGGAGGACCTTC 694
DB 712 AACCACTACTGCCCATCTTCCGACTGGGTCCATCGTCCGTCGGCGGAGGAGCGACTTC 771
QY 695 GAGGACCTGGGTTGCTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACCTG 754
DB 772 CAGGATATAGCCCTGGAGAGTGGCGTGATAGGAATTATATTGATGAACTGTGATCTT 831
QY 755 GACACCGGGGACTGTGGCTGTGGCTCACTTACTCTTTCAGCTGTCAGGAGAGA----- 809
DB 832 GATAAAGCTGCTCTGAGTGCCACCTCACTATTCTTTTAGCCGCTCTGGACAAATAAATTT 891
QY 810 -----GCTACAACCTTCAGGACAGCCACTCACTGCTGGTGGAGCAACCG 850
DB 892 TCAAAGTCTGTCTCTCGGGTACAACTTCAGATTTTCCAGATATTACCGAGACGCGGCC 951
QY 851 GGTGTGAGGGCCCGCACCCCTGCTCAAGCTCTATGGAATCCGCTTCGACATCTCTCGTCACC 910
DB 952 GGGGTGGAGTTCCGCAACCTCGATGAAAGCCTACGGGATCCGCTTTGACGTGTGTGAAC 1011
QY 911 GGGCAGGCGAGGAAGTTCCG 930
DB 1012 GGCAAGGGTGTCTTCTCTG 1031

RESULT 7

US-10-342-887-786
; Sequence 786, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918

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, PRIOR FILING DATE: 2001-06-18
, PRIOR APPLICATION NUMBER: 60/380,710
, PRIOR FILING DATE: 2002-05-14
, PRIOR APPLICATION NUMBER: 10/172,118
, PRIOR FILING DATE: 2002-06-14
, NUMBER OF SEQ ID NOS: 2699
, SEQ ID NO 786
, LENGTH: 1978
, TYPE: DNA
, ORGANISM: Homo sapiens
US-10-342-887-786

```

Query Match	9.0%	Score 243.6	DB 18	Length 1978	
Best Local Similarity	58.3%	Pred. No. 5.4e-57			
Matches 501	Conservative 0	Mismatches 329	Indels 30	Gaps 3	
QY	98	TGGGCTCTCCTCGCCAA	AAAAGGCTAC	CAGGAGCGGACCTGGAA	CCCGAGTTTCCATC 157
DB	175	TGGGTGTCTGTATAA	AGAGGGTTACA	AGAGCTGCACACCTCCCTG	CAGAGTGCTGTC 234
QY	158	ATCACCAAACTCA	AAAGGGGTTTC	CGTCACTCAGATCA	AGGAGCTTGGAAAACCGGCTGTGG 217
DB	235	ATCACCAAAAGTCA	AGGCGTGGCTT	CACCAACACCTCGGATCT	TGGGCGAGCGGATCTGG 294
QY	218	GATGTGGCCGACTT	GTGTGAAGCCAC	CTCAGGAGAGAACGTGT	TCTTCTTTGGTGAACCAAC 277
DB	295	GATGTGGCCGACTAC	GTCAATTCAGCC	CAGGAGAGAACGCTCT	TTTTTTGGTCAACCAAC 354
QY	278	TTCCTTGTGAGCC	CAGCCCAAGTT	TCAGGCGAGATGCC	CAGAGCACCGTCCGTCCCACTG 337
DB	355	CTGATTTGTAGCC	CCCCCAAC	CGGCGGCAAACTGTCT	GCTGAGATGAAGGATTCCTGAT 414
QY	338	GCTAACTGCTGG	GGTGCAGCAGG	ACTGCCCGAAGGGG	GAGGAGGACACACACAGCCACCGT 397
DB	415	GGCGGTGCTCCA	AGACAGGACTCCA	CGCTGGGAGCGGT	TACAGCTGGAAAACCGA 474
QY	398	GTAAAAACAGG	CCAGTGTGTGGTG	- --TCAATGGGAC	CCACAGGACCTGTGAGATCTGG 454
DB	475	GTCAAGACCGCC	CGCTGCGGAGAG	GGAACTTGGCCAG	GGGACACTGTGAGATCTTT 534
QY	455	AGTTGTGGCCAG	TGGAGTGGCGT	TGTGCCCTCGAGG	CCCCCTGTGGGCCCAGGCCCG 514
DB	535	GCCTGTGTGCC	GTGTGGAGACA	AGCTCCAGGCGCG	GAGGAGCCATCTCTGNAAGGAGGCCGNA 594
QY	515	AACTTCACACTGT	TTCATCAAAA	ACACAGTCACTTC	CAGCAAGTTCCAACTTCTCTFAAGTCC 574
DB	595	GACTTCACCAAT	TTTCATAA	AGAACCAATCGTTT	CCCCAAATTCAACTTCTCCAAAAC 654
QY	575	AATGCCCTTGGA	CACTGGGACCC	CACTATTTTAAG	CACTGCCGCTATGAACCACAATTC 634
DB	655	AATGTGATGCA	CGTCAAGGAC	GAGATCTTCTCT	GAAATCATGCCACTTTTGCCCCCAAG - -- 711
QY	635	AGCCCTACTGT	CCCGTGTTC	CGCATTTGGGGA	CTCTGTGGCCAAAGGCTGAGGGAACCTTC 694
DB	712	AACCACTACTG	CCCCCATCTT	CCGACTGGGCT	TCCATCGTCCGCTGGGCGGAGCGACTTC 771
QY	695	GAGGACTGCGT	TGTGCGGTGG	CTCTGTAGGCA	TACAGATTCACTGGGATGTGACCTG 754
DB	772	CAGGATATAG	CCCTGCGAGT	GGCGGTATAG	GAATTAATTTGAATGGAATCTGTGATCTTT 831
QY	755	GACACCGGG	CACTGTGCTG	CGCTCCTACTCT	CTTCCAGCTGCGAGGAGA - -- - 809
DB	832	GATAAAGCTG	CCCTCTGAGT	GCCACCCCTCA	CTATTTCTTTAGCCGCTCTGGACAATAAATTT 891
QY	810	-----GCTA	CAACTTCAG	GACAGCC	CACTACCTGGTGGGAGCAACCG 850
DB	892	TCAAAGTCT	GTCTCTCT	CCGGGTACA	CTTCAGATTTTGCAGATATACCGAGAGCGAC 951
QY	851	GGTGTGAG	CCCGCAC	CCCTGCTCA	AGCTCTATGGAAATCCGTTCCGACATCTCGTCACC 910
DB	952	GGGGTGG	AGTTCCG	ACCCCTGAT	GAAGCCCTACGGGATCCGCTTTGACGTGATGATGATG 1011
QY	911	GGCGAG	CGAGGAA	GTTCGG	930

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Db      1012 GGCAGGGTCTTTCTTCG 1031
      ||| ||| ||| ||| ||| |||
      |
RESULT 8
US-10-370-715B-571
; Sequence 571, Application US/10370715B
; Publication No. US20040258678A1
; GENERAL INFORMATION:
; Patent Docket Preview
; APPLICANT: BODARY, SARAH C.
; APPLICANT: CLARK, HILLARY
; APPLICANT: BRISDELL, HUNTE
; APPLICANT: JACKMAN, JANET
; APPLICANT: SCHOENFELD, JILL R.
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WOOD, WILLIAM I.
; APPLICANT: WU, THOMAS D.
; TITLE OF INVENTION: Compositions and l
; TITLE OF INVENTION: Related Diseases
; FILE REFERENCE: P1948R1-US
; CURRENT APPLICATION NUMBER: US/10/370
; CURRENT FILING DATE: 2003-02-21
; NUMBER OF SEQ ID NOS: 742
; SEQ ID NO 571
; LENGTH: 1978
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-370-715B-571

```

Query Match	9.0%; Score 243.6; DB 20; Length 1978;
Best Local Similarity	58.3%; Pred. No. 5.4e-57;
Matches	501; Conservative 0; Mismatches 329; Indels 30; Gaps 3
Qy	98 TGGGCTCTCTCGCGCAAAAAGGCTACCCAGAGCGGGACCTGGAAACCCAGTFTTCCATC 157
Db	
Db	175 TGGGTGTTCTGATAAAGAGGGTTACAGACGTGACACCTCCTGCGAGTGTGTC 234
Qy	158 ATCACCAAACTCAAAGGGTTTCGTCACCTCAGATCAAAGGAGCTTTGGAAACCGGCTGTGG 217
Db	235 ATCACCAAAAGTCAAGGGCGTGGCCCTTCACCAACACCTCGGATCTTGGGCGAGCGGATCTGG 294
Qy	218 GATGTGGCGGACTTCTGTGAGCCACCTCAGGAGGAGACGTTCTTCTTGGTGACCAAC 277
Db	295 GATGTGCCGACTACGTGATTTCCAGCCGAGGAGAGAACGTCCTTTTGTGTGTACCAAC 354
Qy	278 TTCTCTGTGACGCCAGCGCCAAAGTTTCAGGGCAGATGCCCAGAGCACCCGTCGTCGCCACTG 337
Db	355 CTGATTTGTGACCCCAACCCAGCGGCAGAAAGTCTGTGTGAGATGAAGGCATTCTGTAT 414
Qy	338 GCTTAACTGTCTGGGTGACGAGGAATGCCCCGAAAGGGGAGGAGGCACACAGCCACGGT 397
Db	415 GGGCGTGTCTCAAGGACAGCGAATGCCACGCTGGGGAAGCGGTTACAGCTGGAACCGGA 474
Qy	398 GTAAAAACGSCCAGTGTNGGTG---TTCAATGGGACCCACAGGACCTGTGAGATCTGG 454
Db	475 GTGAAGACCGGCCGCTGCTCGGAGAGGGAATCTTGGCCAGGGGCACCTGTGAGATCTTT 534
Qy	455 AGTTGTGTCGCCAGTGGAGAGTGGCGTTGTGTCCTCGAGSCCCCTGCTGCGCCAGGCCCAAG 514
Db	535 GCCTGTGTCCCGTTGGAGACAAGCTCCAGGCGCGGAGGAGCCATTCTCTGAAGGAGCCGAA 594
Qy	515 AACTTCACACTGTTTCATCAAAAAACAGTTCACCTTCAGCAAGTTCAAATTCTCTAAGTCC 574
Db	595 GACTTTCACCAATTTTCATTAAGAAACCAATCCGTTTTCGCCAAATTCAACTTCTTCCAAAAC 654
Qy	575 AATGCCTTGGAGACTCGGAGCCCAACCTATTTTAAGCACTGCGGTATGGAACCACAATTC 634
Db	655 AATGTGATGAGCGTCAAGGACAGATCTTCTGTAAATCATGCCACTTTTGGCCCCCAAG --- 711
Qy	635 AGCCCCTACTGTCCCGGTTCGCGATTTGGGGACCTCGTGGGCAAGGCTGGAGGGACCTTC 694
Db	712 AACCACTACTGCCCCCACTTCCGACTGGGCTCCCATCGTCGCTGGCGCGGGAGCGACTTC 771

QY 695 GAGGACCTGGCTGCTGGTGGCTCTGTAGGATCAGAGTTCACTGGGATTGTGACCTG 754
DB 772 CAGGATATAGCCCTCGAGGTGGCGTGTAGGAAATTAATTTGAATGGAACTGTGATCTT 831
QY 755 GACACCGGGGACTCTGGCTGTGGCTCACTACTCTCCAGTCCAGTGCAGGAGAAGA----- 809
DB 832 GATAAAGCTGCCCTCTGAGTGCCACCCTCACTATCTTTTAGCGGTCTGGACAATAAATT 891
QY 810 -----GCTACAACTTCAGGACAGCCACTCACTGTGGGAGCAACCG 850
DB 892 TCAAGTCTGTCTCTCCGAGTCACTTTCAGATTTGCGCAGATATTACCGAGAGCGAGCC 951
QY 851 GGTGTGGAGCCCGGACCCCTGTCAAGCTCTATGGAAATCCGCTCGACATCTCTGCTCACC 910
DB 952 GGGGTGGAGTTCCGCAACCCCTGATGAAGGCTACGGGATCCGCTTTGACGTGATGGTGAAC 1011
QY 911 GGGCAGGAGGGAAGTTCCG 930
DB 1012 GGCAGGGTCTTTCTCTG 1031

RESULT 9

US-10-676-289-1
; Sequence 1, Application US/10676289
; Publication No. US20050074819A1
; GENERAL INFORMATION:
; APPLICANT: TSUDA, MAKOTO
; APPLICANT: KOIZUMI, SHINICHI
; APPLICANT: KOHSAKA, SHINICHI
; APPLICANT: KOHSAKA, KAZUHIDE INOUE
; TITLE OF INVENTION: A SCREENING METHOD OF DRUG FOR TREATMENT OF NEUROPATHIC PAIN
; FILE REFERENCE: U 014843-4
; CURRENT APPLICATION NUMBER: US/10/676,289
; CURRENT FILING DATE: 2003-10-01
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 1167
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1164)
US-10-676-289-1

Query Match 8.9%; Score 239.2; DB 21; Length 1167;
Best Local Similarity 56.3%; Pred. No. 7.4e-56;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;

QY 152 TCATCATCACCAACTCAAGGGTTTCGTCACATCAGATCAAGAGCTTGGAAACCGG 211
DB 187 TCGGTTACGACCAAGGTCAAGGGCGTGTGACCAACTTTAAACTTGGATTCCGG 246
QY 212 CTGTGGGATGCGCCACTTCGTGAAGCCACTCAGGAGAGACGTGTTCTTCTGTGG 271
DB 247 ATCTGGGATGCGCGGATTATGTATPACCAGTCTAGAGGAATACTCCCTCTTCGTGATG 306
QY 272 ACCAACTTCCTGTGACGCCAGCCCAAGTTTCAGGGCAGATGCCAGAGCACCGTCCGTC 331
DB 307 ACCAAGTGTATCTCACCATGAACACAGACAGAGGCTGTGCCCGAGATTC--CAGAT 363
QY 332 CCACTGGCTAACTGTGGTTCGACGAGGACTGCCCGAAGGGAGGGAGGACACACAGC 391
DB 364 GCGACCACTGTGTGTAATCAGATGCCAGTCTACTGCGGGTCTGCGCGGACCCACAGC 423
QY 392 CAGGTTGTAACAGCGCAGTGTGTGGTTCAATGGGACCCACAGGACCTGTGAGATC 451
DB 424 AAGGAGTCTCAACAGCGAGGTGCGTAGCTTTCAACGGGTCCGTCAAGACGTGTGAGGTG 483
QY 452 TGGAGTTGGTGGCCAGTGGAGAGTGGC---GTTGTGCCCTCGAGGCCCTGCTGGGCCAG 508
DB 484 GCGGCCTGTGTCGCCGTGGAGGATGACACACAGTGCACCAACTGCTTTTAAAGGCT 543

QY 509 GCCAGAACTTCACACTGTTTCATCAAAAACACAGTCACTTTCAGCAAGTTCAACTTCTCT 568
DB 544 GCAGAAAACCTTCACTCTTTTGGTTAAGAACACATCTGGTATCCCAAAATTTAAATTCAGC 603
QY 569 AAGTCCAATGCTTGGAGACCTGGGACCCCACTTATTTTAAGCACTGCGGCTATCAACCA 628
DB 604 AAGAGGAATATCTTCCCAACATCAACCACTTACCTCAAGTCTGATGATTTATGATGCT 663
QY 629 CAATTCAGCCCTCACTGTCCGTTTCGCAATTTGGGACCTCTGTGGCCCAAGGCTGGAGGG 688
DB 664 AAAACAGATCCCTCTGCCCCATATTCGTCTTGGCAAAATAGTGGAGAACGACAGACAC 723
QY 689 ACCTTGAGGACCTGGCGTTGCTGGTGGTCTGTAGGCATCAGAGTTTCACTGGGATGCT 748
DB 724 AGTTTCCAGGACATGGCCGTGGAGGGAGGCATCATGGGCATCCAGGTCAACTGGGACTGC 783
QY 749 GACCTGGACACCGGGGACTCTGGCTGTGGCTCACTACTCTCTTCCAGCTGCAGGAGA-- 806
DB 784 AACCTGGACAGCGCGCTCTCTGTGCTTGGCCAGGTACTCTTCCGCGGCTCGATACA 843
QY 807 -----AGAGCTACAACTTCAGGACAGCCACTCACTGCTGG 841
DB 844 CGGGACGTTGAGCACACAGTATCTCTCGCTTACAAATTCAGGTTTGCACAGTACTACAGA 903
QY 842 GAGCAACCGGGTGTGGAGGCCCGCACCTCTCAAGCTCTATGGAAATCGGCTTCGACATC 901
DB 904 GACCTGGCTGGCAACGAGCAGCGCACGCTCATCAAGGCTTATGGCATCCGCTTTCGACATC 963
QY 902 CTCGTCAACCGGCGAGGAGGAAGTTCCGGCTCATCCCGCGGCTCACACTGGGCGACC 961
DB 964 ATTGTTTGGAGGCGAGGGAATTTGACATCATCCCACTATGATCAACATCGGCTCT 1023
QY 962 GGGGACGCTTGGCTGGCGGTGGTCACTTTTCTGTGACCTGCTACTCTGTATGATGAT 1021
DB 1024 GCGCTGGCACTGTAGGCATGCGGACCGTGTGTGTGACATCATAGTCTCTACTGTCATG 1083
QY 1022 AGAGAAGCCCATTTCTACTTGGAGGACAAGTATGAGGAGG 1061
DB 1084 AAGAAAAGACTCTACTATCGGGAGAGAAATATAAATATG 1123

RESULT 10

US-09-833-082-1
; Sequence 1, Application US/09833082
; Patent No. US20020151480A1
; GENERAL INFORMATION:

; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE USING 10218
; FILE REFERENCE: MNI-227
; CURRENT APPLICATION NUMBER: US/09/833,082
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-833-082-1

Query Match 8.9%; Score 239.2; DB 9; Length 1389;
Best Local Similarity 56.3%; Pred. No. 8e-56;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;

QY 152 TCATCATCAACCAACTCAAGGGGTTTCCGTCACATCAGATCAAGAGCTTGGAAACCGG 211
DB 214 TCCGTTACGACCAAGGTCAAGGGCGTGTGACCAACACTTCTAAACTTGGATTCCGG 273
QY 212 CTGTGGGATGCGCGCACTTCTGTGAAGCCACTCAGGAGAGAACGTTTCTTCTGTGGT 271
DB 274 ATCTGGGATGCGCGGATTATGTATGATCAGCTCAGGAGGAAAACTCCCTCTCTTCGTCATG 333

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QY 272 ACCAATCTCTGTGAGCGCCAGCCCAAGTTTCAGGCGAGATGCCCAGAGCACCCGTCCTGC 331
Db 334 ACCAAGCTGATCTCTCAACATGAACACAGACAGGCGCTGTGCCCGAGATTC---CAGAT 390
QY 332 CCACTGGCTAACTGCTGGGTGAGGAGGAGTCCCGAAGGAGGAGGAGGAGGAGGAGGAGG 391
Db 391 GCGACCACTGTGTAAATCAGATGCCAGCTGTACTGCCGGCTCTCCCGGACCCACAGC 450
QY 392 CAGCGTGTAAACACAGCCAGTGTGTGTCTCAATGGGACCCACAGGACCTGTGAGATC 451
Db 451 AACGGAGTCTCAACAGCAGTGTGTGTCTCAATGGGACCCACAGGACCTGTGAGATC 510
QY 452 TGAAGTGTGGCCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 508
Db 511 GCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 570
QY 509 GCCCAGACCTTCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 568
Db 571 GCGAAGACCTTCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 630
QY 629 CAATTGAGCCCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 688
Db 691 AATAAGATCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 750
QY 689 ACCTTCAGGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 748
Db 751 AGTTTCCAGGACATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 810
QY 749 GACCTGACACCGGGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 806
Db 811 AACCTGGACAGCCGCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 870
QY 807 -----AGAGCTACAACTTTCAGGACAGCCACTCACTGTGTGTGTGTGTGTGTGTGT 841
Db 871 CGGAGCTGTGAGCAACAGTATCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 930
QY 842 GAGCAACCGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 901
Db 931 GACCTGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 990
QY 902 CTCGTCAACCGGGGAGGAGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 961
Db 991 ATTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1050
QY 962 GGGGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1021
Db 1051 GCGCTGGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1110
QY 1022 AGAAGAGCCATTTCTACTGTGAGGACAAAGTATGAGGAGG 1061
Db 1111 AAGAAAGACTCTACTATCGGAGAGAAATATAATATG 1150
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RESULT 11

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US-10-305-720-831
; Sequence 831, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: PA-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; PRIOR FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: 09/016,434
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO 831
; LENGTH: 1750
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 555697
US-10-305-720-831
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Query Match
Best Local Similarity 8.9%; Score 239.2; DB 17; Length 1750;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;
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QY 152 TCATCATCATCCAAACTCAAAGGGTTTCCGTCACTCAGATCAAGAGGCTTGGAAACCGG 211
Db 214 TCCGTTACGACCAAGGTCAAGGGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 273
QY 212 CTGTGGGATGTGGCGCATCTTCTGTGAAGCCACTCAGGGGAGAGACGTGTCTTCTTGTGG 271
Db 274 ATCTGGGATGTGGCGCATTTATGTGTATACCATGTCCAGGAGGAAATCTCCCTCTTCGTCATG 333
QY 272 ACCAACTTCTTGTGACGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGCACCCGTCCTGC 331
Db 334 ACCAAGGTGATCTCTCAACATGAACACAGACAGGCGCTGTGCCCGAGATTC---CAGAT 390
QY 332 CCACTGGCTTAACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 391
Db 391 GCGACCACTGTGTGTAAATCAGATGCCAGCTGTACTGCCGGCTCTGCCGGCACCCACAGC 450
QY 392 CAGCGTGTAAACACAGGCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 451
Db 451 AACCGAGTCTCAACAGGCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 510
QY 452 TGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 508
Db 511 GCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 570
QY 509 GCCCAGAACTTCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 568
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QY 569 AGTCCATGCTTGGAGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 628
Db 631 AAGAGGATATCTCTTCCCAACATCACTACTTACTTCAAGCTGTGTGTGTGTGTGTGTGT 690
QY 629 CAATTTCAGCCCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 688
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QY 689 ACCTTCGAGGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 748
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QY 807 -----AGAGCTACAACTTTCAGGACAGCCACTCACTGTGTGTGTGTGTGTGTGTGT 841
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QY 902 CTCGTCAACCGGGGAGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 961
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QY 1022 AGAAGAGCCATTTCTACTGTGAGGACAAAGTATGAGGAGG 1061
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; Sequence 20, Application US/10128558
; Publication No. US20040219521A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Wang, Zhiwei
; APPLICANT: Weng, Gezhi
; APPLICANT: Boyle, Bryan J
; APPLICANT: Dmanac, Radoje T
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: Polypeptides
; CURRENT APPLICATION NUMBER: US/10/128,558
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: US 60/339,453
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US 09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US00/35017
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: US 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: US 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: PCT/US01/03800
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/515,126
; PRIOR FILING DATE: 2000-02-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 412
; SOFTWARE: pt_FL_genes Version 6.0
; SEQ ID NO 20
; LENGTH: 1269
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: (1)..(1269)
US-10-128-558-20

Query Match 8.8%; Score 237.6; DB 20; Length 1269;
Best Local Similarity 56.2%; Pred. No. 2.1e-55;
Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCATCATCACCBAACCTCAAGGGGTTTCCTGCTCAGTCACTCAGATCAAGGAGCTTGGAAACGG 211
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QY 212 CTGTGGGATGTGCCACTTCGTGAAGCCACCTCAGGGAGAGAACGTGTTCTTTGGTG 271
Db 247 AATCTGGGATGTGGGATTTATGTATACCACTCAGGAGAAATCTCCCTCTTCGTGATG 306
QY 272 ACCAATCTCTGTGTAGCCAGCCCAAGTTTCAGGGCAGATGCCAGAGACCCCGTCCGTC 331
Db 307 ACCAAGCTGATCTCACCATGAACACAGACAGAGGGGCTGTGCCCGAGATTC---CAGAT 363
QY 332 CCACTGGCTTAATCTGTGGTTCAGCAGAGACTGCCCGAAGGGAGGAGGACACACAGC 391
Db 364 GCGACCACTGTGTGTAATATCAGATGCCAGTCTACTGCGGCTCTGCGGGACCCACAGC 423
QY 392 CACGGGTGAAAAACAGCCAGTGTGTGGTGTTCATATGGGACCCACAGGACCTGTGAGATC 451
Db 424 AACGGAGTCTCAACAGCAGGTGCGTAGTCTTTCAACGGGTCTGTCAAGAGCGTGTAGGTG 483
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; PRIOR APPLICATION NUMBER: 09/860,193
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 10/283,023
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: 60/335,044
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 10/010,943
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/254,037
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/833,082
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 1167
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-386-414-18

Query Match
Best Local Similarity 8.8%; Score 237.2; DB 17; Length 1167;
Matches 527; Conservative 1; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCATCATCAACCACTCAAGGGTTCCTCGTCACTCAGATCAGAGAGCTTGGAAACCGG 211
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QY 272 ACCAACTTCTTGTGACGCCAGCCCAAGTTTCAAGGCGAGATCCCAAGACACCCCTCGGTC 331
DB 307 ACCAAGTGTATCTCACCATGACACAGACAGGCGCTGTGCCCGAGATTC---CAGAT 363
QY 332 CCACTGGCTAACTGTGGGTGCAGAGAGATGCCCCGAGGGGAGGAGGACACACAGC 391
DB 364 GCGACCACTGTGTGTAATCAGATGCAGCTGTACTGCGGCTGTGCCGCGACCAAGC 423
QY 392 CAGGTTAAACACAGGCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 451
DB 424 AACGGAGTCTCAACAGGCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 483
QY 452 TGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 508
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Db 616 ACCAAGTGTATCTCACCATGAACACAGACACAGGCGCTGTGCCCGGAGATTC---CAGAT 672
QY 332 CCACTGGCTAACTGCTGGGTGCAGAGGAGTGCCTCCGAAAGGAGGAGGAGGACACACAGC 391
Db 673 GCGACCACTGTGTAAATCAGATGCCAGTCTACTGCCGGTCTGCCGGACCCACACAGC 732
QY 392 CACGGTGTAAAACACAGCCAGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATC 451
Db 733 AACGGAGTCTCAACAGCGAGTGCCTGATCTTCAACGGGTCTGTCAAGAGGTGTGAGTG 792
QY 452 TGGAGTTGGTGCCTCAGTGTGAGAGTGGC---GTTGTGCTCTCAGAGGCGCTGTGCGCCAG 508
Db 793 GCGGCTGTGTGCGGTGAGGATGACACACAGTGTGAGGATGAGTGTGAGGATGAGTGT 852
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Db 853 GCAGAAAACCTTCACTCTTTTGGTTAAGAACACATCTGGTATCCCAAAATTTAATTTTCAGC 912
QY 569 AAGTCCAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTGCGGCTATGAACCA 628
Db 913 AAGAGGAATATCTTCCCAACATCACCACTTACTTCAAGTGTGCAATTTATGATGCT 972
QY 629 CAATTCAGCCCTTACTGTCCCGTGTTCGGATTTGGGACCTCGTGGCCAAAGGCTGAGGG 688
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RESULT 15

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; Sequence 1468, Application US/10240425
; Publication No. US20040033502A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Amanda
; APPLICANT: Bolland, Joseph F.
; APPLICANT: Lord, Reginald V.
; APPLICANT: Alvarez, Chris
; APPLICANT: Wetzel, Jon C.
; APPLICANT: Vockley, Joseph G.
; TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
; FILE REFERENCE: 44921-5026
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; CURRENT APPLICATION NUMBER: US/10/240,425
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: PCT/US01/09847
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 60/193,446
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 1588
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1468
; LENGTH: 2048
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040033502A1 U83993
US-10-240-425-1468
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Query Match 8.8%; Score 237.2; DB 18; Length 2048;

Best Local Similarity 56.1%; Pred. No. 3.3e-55;

Matches 527; Conservative 1; Mismatches 379; Indels 33; Gaps 3;

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QY 152 TCATCATCACCAAACTCAAAGGGGTTTCGGTCACTCAGATCAAGAGAGCTTGGAAACCGG 211
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QY 272 ACCAACTTCTCTTGTGACCGCACCAAGTTTCAGGCGAGATGCCAGAGACCCCGTCCGTC 331
Db 616 ACCAAGTGTCTCTTCAACCATGNAACAGACACAGGCGCTGTGCCCGAGATTC---CAGAT 672
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QY 569 AAGTCCAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTGCGGCTATGAACCA 628
Db 913 AAGAGGAATATCTTCCCAACATCAACCACTTACTTCAAGTGTGCAATTTATGATGCT 972
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Db 1093 AACCTGGAAGAGGCGGCTCTCTCTGTGGCCAGGTAATCTCTCCGCGGCTCGATACA 1152
QY 807 -----AGAGCTACAACTTCAGGACGCGCACTCACTGGTGG 841
Db 1153 CGGAGCTTGTAGCACAACGATATCTCTGCTTACAATTTTCAGTTTGCAGTACTACAGA 1212
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QY 902 CTGTCACCGGGCAGGACGAGGAGTTTCGGGCTCATCCCAAGCGGCTCACTCGGCGACC 961
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Job time : 1567.28 secs

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GenCore version 5.1.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 19, 2005, 22:42:49 ; Search time 42 Seconds
(without alignments)
719.830 Million cell updates/sec

Title: US-09-820-095B-2

Perfect score: 2226

Sequence: 1 MGSPGATTGWLIDYKTEK.....TPGWPCSSDTHLPTGSGSL 405

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2203	99.0	441	3	US-09-191-136-31
3	1554	69.8	379	3	US-09-191-136-32
4	822	36.9	422	4	US-09-949-016-6238
5	816	36.7	388	2	US-08-742-621-1
6	816	36.7	397	4	US-09-949-016-9419
7	813	36.5	388	3	US-09-191-608-22
8	794	35.7	388	2	US-08-750-134A-7
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15	744	33.4	453	4	US-09-949-016-10007
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22	709	31.9	471	3	US-09-191-608-17
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31	608.5	27.3	595	3	US-08-842-079-18	Sequence 18, Appl
32	608.5	27.3	595	3	US-08-842-079-20	Sequence 20, Appl
33	608.5	27.3	595	4	US-09-638-857-18	Sequence 18, Appl
34	608.5	27.3	595	4	US-09-638-857-20	Sequence 20, Appl
35	606.5	27.2	280	4	US-09-949-016-9249	Sequence 9249, Ap
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37	602.5	27.1	595	3	US-08-842-079-6	Sequence 6, Appl
38	602.5	27.1	595	3	US-08-842-079-17	Sequence 17, Appl
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42	528.5	23.7	256	4	US-09-949-016-7576	Sequence 7576, Ap
43	528.5	23.7	256	4	US-09-949-016-7577	Sequence 7577, Ap
44	515.5	23.2	289	4	US-09-949-016-10585	Sequence 10585, A
45	349	15.7	211	1	US-07-915-934-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1

US-09-381-681-3

; Sequence 3, Application US/09381681

; Patent No. 6255472

; GENERAL INFORMATION:

; APPLICANT: TAKINO, Takashi

; TITLE OF INVENTION: HUMAN GENES

; FILE REFERENCE: Q55876

; CURRENT APPLICATION NUMBER: US/09/381,681

; EARLIER FILING DATE: 2000-01-10

; EARLIER APPLICATION NUMBER: JPA 9-093044

; EARLIER FILING DATE: 1997-03-26

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 3

; LENGTH: 431

; TYPE: PRT

; ORGANISM: Human

US-09-381-681-3

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QY	275	RTLKLYGIRFDILVTGQAGKGLIPTAVTLGTGAWLGVVTFCCDLLLYVDREAHFYW	334	
Db	301	RTLKLYGIRFDILVTGQAGKGLIPTAVTLGTGAWLGVVTFCCDLLLYVDREAHFYW	360	
QY	335	RTKBEAKAPKATANSVWRELALASQARLAECLERRSSAPAPTATAAGSQTPTGWPSPSS	394	

Db 361 RTKYEAKAPKATANSVWRELALASQARLAECRLRSSAPATATAAGSOTQTPGWPCCPS 420
QY 395 DTHLPHSGSL 405
Db 421 DTHLPHSGSL 431

RESULT 2
US-09-191-136-31
; Sequence 31, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6293.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; EARLIER FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens (polypeptide)

US-09-191-136-31

Query Match 99.0%; Score 2203; DB 3; Length 441;
Best Local Similarity 94.0%; Pred. No. 2.Se-235;
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

QY 1 MGSPGATTCGGLLDYKTEK-----WALLAKGYQERDLE 34
Db 11 MGSPGATTCGGLLDYKTEKYVTRNRVVGALQRLQFGIVVYVVGWALLAKGYQERDLE 70
QY 35 PPSIITKLKGVSVTOIKELGNRLWDVADVPKPPQGENVFELVTNPLVTPAQQVGRCPHEH 94
Db 71 PPSIITKLKGVSVTOIKELGNRLWDVADVPKPPQGENVFELVTNPLVTPAQQVGRCPHEH 130
QY 95 PSVPLANCWDEDCPEGEGTSHGKVTQCQVFNFGTHRTCEIWSWCPVSGVVPSPRL 154
Db 131 PSVPLANCWDEDCPEGEGTSHGKVTQCQVFNFGTHRTCEIWSWCPVSGVVPSPRL 190
QY 155 AQAQNTFLTKNTVTFSKNFNSKNALETWDPPTYFKHCYEPQSPYCPVFRIGDLVAKA 214
Db 191 AQAQNTFLTKNTVTFSKNFNSKNALETWDPPTYFKHCYEPQSPYCPVFRIGDLVAKA 250
QY 215 GGFEDLALGGSGVGRVHWDCCDLDTGDSGCWPHYSFQLEKSYNFRATTHWEOGPVEA 274
Db 251 GGFEDLALGGSGVGRVHWDCCDLDTGDSGCWPHYSFQLEKSYNFRATTHWEOGPVEA 310
QY 275 RTLLKLYGIRFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYW 334
Db 311 RTLLKLYGIRFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYW 370
QY 335 RTKYEAKAPKATANSVWRELALASQARLAECRLRSSAPATATAAGSOTQTPGWPCCPS 394
Db 371 RTKYEAKAPKATANSVWRELALASQARLAECRLRSSAPATATAAGSOTQTPGWPCCPS 430
QY 395 DTHLPHSGSL 405
|||||

Db 431 DTHLPHSGSL 441

RESULT 3
US-09-191-136-32
; Sequence 32, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6293.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; EARLIER FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Rattus rattus

US-09-191-136-32

Query Match 69.8%; Score 1554; DB 3; Length 379;
Best Local Similarity 75.7%; Pred. No. 2e-163;
Matches 281; Conservative 26; Mismatches 38; Indels 26; Gaps 1;

QY 6 ATTGGLLDYKTEK-----WALLAKGYQERDLEPQPSI 39
Db 8 ALVSMGFLDYKTEKYVTRNCWVGISQRLQLQGVVYVVGWALLAKGYQEWMDPQISV 67
QY 40 ITKLKGVSVTOIKELGNRLWDVADVPKPPQGENVFELVTNPLVTPAQQVGRCPHEHSPVL 99
Db 68 ITKLKGVSVTOIKELGNRLWDVADVPKPPQGENVFELVTNPLVTPAQQVGRCPHEHSPVL 127
QY 100 ANCWDEDCPEGEGTSHGKVTQCQVFNFGTHRTCEIWSWCPVSGVVPSPRLAQAQN 159
Db 128 ANCWDEDCPEGEGTSHGKVTQCQVFNFGTHRTCEIWSWCPVSGVVPSPRLAQAQN 187
QY 160 FTLFKNTVTFSKNFNSKNALETWDPPTYFKHCYEPQSPYCPVFRIGDLVAKAGGTPE 219
Db 188 FTLFKNTVTFSKNFNSKNALETWDPPTYFKHCYEPQSPYCPVFRIGDLVAKAGGTPE 247
QY 220 DLALGGSGVGRVHWDCCDLDTGDSGCWPHYSFQLEKSYNFRATTHWEOGPVEARTLLK 279
Db 248 DLALGGSGVGRVHWDCCDLDTGDSGCWPHYSFQLEKSYNFRATTHWEOGPVEARTLLK 307
QY 280 LYGRIFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYWRTKYE 339
Db 308 LYGRIFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYWRTKYE 367
QY 340 EAKAPKATANS 350
Db 368 EAKAPKATANS 378

RESULT 4
US-09-949-016-6238
; Sequence 6238, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; PRIOR FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FASTSEQ for Windows Version 4.0
;; SEQ ID NO 6238
;; LENGTH: 422
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-6238

Query Match 36.9%; Score 822; DB 4; Length 422;
Best Local Similarity 40.3%; Pred. No. 4e-82;
Matches 173; Conservative 60; Mismatches 120; Indels 76; Gaps 9;
QY 12 LDYKTEK-----WALLAKGVQERDLFPQSIITKLKG 45
DB 13 LFDYKTEKVIANKKVKVGLLYRLLOASILAYLVWVFLIKKGVQVDVTSLSQSAVITKVG 72
QY 46 VSVTQIKELGNRLWDVADFKPPQGENVFLVNTPLVTPAQVQGRCPHPSPVLANCWD 105
DB 73 VAPTNTSDIGQRIWDVADYVIPAQGENVFPVVTNLVTPNQNVCAENEGIPDGACSKD 132
QY 106 EDCPEGEGTHSHGVKGTQCVFNGTHR-TCEIWSMCPVESGVVPSRPLLAQAQNTPLFI 164
DB 133 SDCHAGEAVTAGVKTGCLRGNLARGTCEIPAWCPLETSSRPEEPFLKEADEFTIFI 192
QY 165 KNTVTSKFNFSKNALETWDPYFKHCRYBQFSPYCPVFRIGDLVAKAGTTFBIDLALL 224
DB 193 KNHIRPKFNFKNVMDVKDRSFLKSCFHGPK-NHYCPIFRIGLSIVRWAGSDFDIALR 251
QY 225 GSGVGRVHWDCLDGTGDSGCPHYSF-QLOEK-----SYNFRATHWHPQGVBEAT 276
DB 252 GGVGINIEWNCDDKAASECHPHYSFSLDNKLSKSSGSGNFRPARYRDAAGVEPRT 311
QY 277 LKLYGIRFDILVTGQAGKFGLIPTAVTLGTGAAMLGWVTFCDLILLYVDREAHFYWRT 336
DB 312 LKAYGIRDVWNGK-----AFFCDLVLIYLKKEFFYRDK 349
QY 337 KYEAKAPKATANSVWRELALASQARLAECLRRSSAPA-----PTATAAGSQ 383
DB 350 KYEEVRGLESDSQEABDE---ASGLGLSEQL--TSGPGLGMPQEQBELQEPPEAKRGSS 404
QY 384 TQTPGWPCP 392
DB 405 QKNGSGVCP 413

RESULT 5

US-08-742-621-1
;; Sequence 1, Application US/08742621
;; Patent No. 5856129
;; GENERAL INFORMATION:
;; APPLICANT: HILLMAN, JENNIFER L.
;; APPLICANT: COLEMAN, ROGER
;; TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
;; NUMBER OF SEQUENCES: 5
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: US
;; ZIP: 94304
;; COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fast-SEQ Version 1.5
CURRENT APPLICATION DATA: US/08/742,621
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0147 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 388 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY:
CLONE: consensus
US-08-742-621-1
Query Match 36.7%; Score 816; DB 2; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.6e-81;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;
QY 20 WALLAKGVQERDLFPQSIITKLKGVSVTQIKELGNRLWDVADFKPPQGENVFLVNTN 79
DB 46 WYFVWEKGYQETD-SVSVSVTTKVGAVTNTSKLGFRIWDVADYVIPAQENSLFVMTN 104
QY 80 FLVTPAQVQGRCPHPSPVLANCWDVDEDCPEGEGTHSHGVKGTQCVFNGTHRTCEIWS 139
DB 105 VILTNNQVQGLCPPEIPDATTV-CKSDASCTAGSAGTHSGVSTGRCVAFNGSVKICEVAA 163
QY 140 WCPVESGV-VPSRPLLAQAQNTPLFIKNTVTSKFNFSKNALETWDPYFKHCRYEQP 198
DB 164 MCPVEDDTHVPQAPFLKAAENFTLLVQNNIWPKNFNSKRNILPNITTTLYLKSCTYDAKT 223
QY 199 SPYCPVFRIGDLVAKAGTTFBIDLKGSVGRVHWDCLDGTGDSGCPHYSFQLOE--- 255
DB 224 DFFCPIFRIGLKIENWAGHSQDMAVEGGIMGIVQVWNCNLDRAASLCPLPRYSFRDLTRD 283
QY 256 -----KSYNFRATHWHPQGVBEATLLKLYGIRFDILVTGQAGKFGLIPTAVTLGTGA 309
DB 284 VEHNVSPGVNFRFAYKRYRDLAGNEQRTLIKAYGIRFDILVFGKAGKFDIIPMTINIGSL 343
QY 310 AWLGWVTFCDLILLYVDREAHFYWRTKYE 339
DB 344 ALLGNMATVLCDIILVLYCMKKRLYREKKYK 373

RESULT 6

US-09-949-016-9419
;; Sequence 9419, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03

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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9419
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9419

Query Match          36.7%; Score 816; DB 4; Length 397;
Best Local Similarity 47.0%; Pred.No.1.7e-81;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

QY 20 WALLAKKGQERDLEPQFGIIITLKGVSVTQIKELGNRLWDVADPVKPPQGENVFFLVTN 79
Db 55 WVFWEKGQETD-SVSVSVTTKVGAVTNTSKLGFRIWDVADVIIPAQGENSLFVMTN 113
QY 80 FLVTPAQVQRCPEHSPVLANCWDEDCPEGEGGTHSHGVKTKQCVVFNCTHRTCIWS 139
Db 114 VILTMNQTGLCPEIPDATTV-CKSDASC TAGSAGTHSGVSTGRCAVFNQSVKTCVAA 172
QY 140 WCBVESGV-VPSPRLAQAQNTLPIKNTVTSKFNFSKNALETWDTPTFKHCYRBPQF 198
Db 173 WCVPEVDTHVPQPAFLKAENETLLAKNNIWIYKFNFSKRNILPNTIITLKSCIYDAKT 232
QY 199 SPYCPVFRIGDLVAKAGGTFFEDLALLGSGVGRVHWDCDLDGDSGCWPHYSFOLQE--- 255
Db 233 DPCPIFRIGKIVENAGHGFQMWVEGGIMGLQVNWDCNLDRAASLCUPRISFRRLDTRD 292
QY 256 -----KSNYFTATHWBQPGVEARTLLKYGIRFDILVTGQAGKFGLIPTAVTLGTGA 309
Db 293 VEHNVSPGYNFRPAKYVRDLAGNEQRTLIKAYGIRFDIIVFGKAGKGPDIIPITMINIGSL 352
QY 310 AWLGVTVTFCDLILLIVDREAHFYWRTKYE 339
Db 353 ALLGMATVLCDIIVLYCMKRLYYREKKYK 382

RESULT 7
US-09-191-608-22
; Sequence 22, Application US/09191608
; Patent No. 6242216
; GENERAL INFORMATION:
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Metzger, Randy E.
; APPLICANT: Niforatos, Wende
; APPLICANT: Touma, Edward B.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding a Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X2 and P2X4 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6394.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,608
; CURRENT FILING DATE: 1998-11-13
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-191-608-22

Query Match          36.5%; Score 813; DB 3; Length 388;
Best Local Similarity 47.0%; Pred.No.3.5e-81;
Matches 155; Conservative 55; Mismatches 108; Indels 12; Gaps 4;

QY 20 WALLAKKGQERDLEPQFGIIITLKGVSVTQIKELGNRLWDVADPVKPPQGENVFFLVTN 79
Db 46 WVFWEKGQETD-SVSVSVTTKVGAVTNTSKLGFRIWDVADVIIPAQGENSLFVMTN 104
QY 80 FLVTPAQVQRCPEHSPVLANCWDEDCPEGEGGTHSHGVKTKQCVVFNCTHRTCIWS 139

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Db 164 WCPVENDVGPVTPAFLKAAENFTLLVKNNIWPKFNFKRNILPNITTSYLKSCIYNAQT 223
QY 199 SPYCPVFRIGDLVAKAGTFFEDALLGGVGVIRVHWDCLDGTGDCGCPHYSFQLOE--- 255
Db 224 DPFCPIFRIGTIVGDAGHSFQEMAVEGGIMGIQKWDNCNLDRAASLCULPRYSFRRLDTRD 283
QY 256 -----KSNFRATATHWMPQGVVEARTLLKLYGIRFDILVTGQAGKFGILPTAVTLGTGA 309
Db 284 LEHNVSPGYNFRFAKYRDLAKGEQRTLTAKYGRFDIIVFGKAGKFDIIPITMINVGSGL 343
QY 310 AWLGVTTFCDLLLYVDREAHFYWRKYE 339
Db 344 ALLGVATVLCVIVLYCMKKYKYRDKKYK 373

RESULT 9

US-09-363-745-7
; Sequence 7, Application US/09363745
; Patent No. 6194162
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2X RECEPTORS (PURINOCREPTOR FAMILY)
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHUYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/363,745
; FILING DATE:

CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/750,134

FILING DATE:
; ATTORNEY/AGENT INFORMATION:

NAME: CRAWFORD, ARTHUR C.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 1430-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4006
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 388 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-363-745-7

Query Match 35.7%; Score 794; DB 3; Length 388;
Best Local Similarity 46.7%; Pred. No. 4.4e-79;
Matches 154; Conservative 55; Mismatches 109; Indels 12; Gaps 4;

QY 20 WALLAKGVQERDLEPQFSIIITKLKGVSVTQIKELGNRLWDVADFVKPPQGENVFLVTN 79
Db 46 WVFWEKGYQETD-SVSVSVTTKAGVAVTNTSQLGRWDVADYVIPAQENSFLFMTN 104
QY 80 FLVTPAQVQRCPEHPSVPLANCWDEDCPEGEGTSHGVKTCGVVFNTHRTCEIWS 139
Db 105 MIVTVNQTOSTCPEIPD-KTSCNSDADCTPGSVDTSHSSGVATGRCVPNFSVKTCVAA 163
QY 140 WCPVESGV-VPSRPLLAQONFTLFKNTVTFSKFNFSKNALETWDTPTFYFKHCYEPQF 198

Db 164 WCPVENDVGPVTPAFLKAAENFTLLVKNNIWPKFNFKRNILPNITTSYLKSCIYNAQT 223
QY 199 SPYCPVFRIGDLVAKAGTFFEDALLGGVGVIRVHWDCLDGTGDCGCPHYSFQLOE--- 255
Db 224 DPFCPIFRIGTIVGDAGHSFQEMAVEGGIMGIQKWDNCNLDRAASLCULPRYSFRRLDTRD 283
QY 256 -----KSNFRATATHWMPQGVVEARTLLKLYGIRFDILVTGQAGKFGILPTAVTLGTGA 309
Db 284 LEHNVSPGYNFRFAKYRDLAKGEQRTLTAKYGRFDIIVFGKAGKFDIIPITMINVGSGL 343
QY 310 AWLGVTTFCDLLLYVDREAHFYWRKYE 339
Db 344 ALLGVATVLCVIVLYCMKKYKYRDKKYK 373

RESULT 10

US-09-191-608-23
; Sequence 23, Application US/09191608
; Patent No. 6242216
; GENERAL INFORMATION:
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Metzger, Randy E.
; APPLICANT: Niforatos, Wende
; APPLICANT: Touma, Edward B.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding a Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X2 and P2X4 And Methods Of Production
; FILE REFERENCE: 6394.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,608
; CURRENT FILING DATE: 1998-11-13
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Rattus rattus
US-09-191-608-23

Query Match 35.6%; Score 793; DB 3; Length 388;
Best Local Similarity 46.7%; Pred. No. 5.7e-79;
Matches 154; Conservative 55; Mismatches 109; Indels 12; Gaps 4;

QY 20 WALLAKGVQERDLEPQFSIIITKLKGVSVTQIKELGNRLWDVADFVKPPQGENVFLVTN 79
Db 46 WVFWEKGYQETD-SVSVSVTTKAGVAVTNTSQLGRWDVADYVIPAQENSFLFMTN 104
QY 80 FLVTPAQVQRCPEHPSVPLANCWDEDCPEGEGTSHGVKTCGVVFNTHRTCEIWS 139
Db 105 MIVTVNQTOSTCPEIPD-KTSCNSDADCTPGSVDTSHSSGVATGRCVPNFSVKTCVAA 163
QY 140 WCPVESGV-VPSRPLLAQONFTLFKNTVTFSKFNFSKNALETWDTPTFYFKHCYEPQF 198
Db 164 WCPVENDVGPVTPAFLKAAENFTLLVKNNIWPKFNFKRNILPNITTSYLKSCIYNAQT 223
QY 199 SPYCPVFRIGDLVAKAGTFFEDALLGGVGVIRVHWDCLDGTGDCGCPHYSFQLOE--- 255
Db 224 DPFCPIFRIGTIVGDAGHSFQEMAVEGGIMGIQKWDNCNLDRAASLCULPRYSFRRLDTRD 283
QY 256 -----KSNFRATATHWMPQGVVEARTLLKLYGIRFDILVTGQAGKFGILPTAVTLGTGA 309
Db 284 LEHNVSPGYNFRFAKYRDLAKGEQRTLTAKYGRFDIIVFGKAGKFDIIPITMINVGSGL 343
QY 310 AWLGVTTFCDLLLYVDREAHFYWRKYE 339
Db 344 ALLGVATVLCVIVLYCMKKYKYRDKKYK 373

RESULT 11

US-08-742-621-3
; Sequence 3, Application US/08742621
; Patent No. 5856129

GENERAL INFORMATION:
APPLICANT: HILLMAN, JENNIFER L.
APPLICANT: COLEMAN, ROGER
TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/742,621
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0147 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 166438
US-08-742-621-3

Query Match 33.4%; Score 744; DB 2; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY 20 WALLAKGYQERDLEPQFSIITKLGVSVTQIKELGNRLWDVADVFVKPPQGENVFLVTN 79
Db WFLYKGYQTSS-GLISSVSVKLGAVTQLPGLGPQVWDVADYVFFPAQGDNSFVMTN 105

QY 80 FLVTPAQVQRCPEHPSVPLANCWVDEDCPEGEGTHSHGVTGQCVVFNHTRTCEIWS 139
Db FVTPKQTOGYCAEHPEGGI--CKEDSGCTPGKAKRKAQGIKTCVAFNDTVKTCEIFG 163

QY 140 WCPVE-SGVVPSRPLLAQAQNTFLTKNTVTFSEKFNFSKNALETWDPYFKHCYEQF 198
Db WCPVEVDDIDPRALLREAENFTLFKNSISPRPKVNRNLVEEVNAHMKTCFLFKTL 223

QY 199 SPYCVFRIGDLVAKAGCTFEDLALGGSVGRVHWDCDLDTGDSGCWPHYSFQ--LQEK 256
Db HPLCPVQLGYVQESGQNFSTLAEGGVVGTIDWHCDLDHWHVHRCRPIYEFHGLYBEK 283

QY 257 S-----YNFRTHHWQGVGEARTLLKYGIRFDILVTGQAKGFLIPTAVTLGTGAWL 312
Db NLSPGFNFRFARHFVEN-GTNYRHLPKVFGRFDILVDGKAGKFDIIPMTTIGSGIGIF 342

QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYEEAKPKATANSVWRELALASQA--RLAECLRR 369
Db GVATVLCDLLLHLIPKRHYKQKPKYAEWDMGPGAAE-----RDLAATSSSTLGLQENMRT 398

QY 370 S 370
Db 399 S 399

RESULT 12
US-08-750-134A-11
Sequence 11, Application US/08750134A
Patent No. 5985603
GENERAL INFORMATION:
APPLICANT: VALERA, SOLEDAD
APPLICANT: BUELL, GARY
TITLE OF INVENTION: P2X RECEPTORS (PURINOCEPTOR FAMILY)
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHVE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/750,134A
FILING DATE: 22-JAN-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: CRAWFORD, ARTHUR C.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 1430-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4100
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-750-134A-11

Query Match 33.4%; Score 744; DB 2; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY 20 WALLAKGYQERDLEPQFSIITKLGVSVTQIKELGNRLWDVADVFVKPPQGENVFLVTN 79
Db WFLYKGYQTSS-GLISSVSVKLGAVTQLPGLGPQVWDVADYVFFPAQGDNSFVMTN 105

QY 80 FLVTPAQVQRCPEHPSVPLANCWVDEDCPEGEGTHSHGVTGQCVVFNHTRTCEIWS 139
Db FVTPKQTOGYCAEHPEGGI--CKEDSGCTPGKAKRKAQGIKTCVAFNDTVKTCEIFG 163

QY 140 WCPVE-SGVVPSRPLLAQAQNTFLTKNTVTFSEKFNFSKNALETWDPYFKHCYEQF 198
Db WCPVEVDDIDPRALLREAENFTLFKNSISPRPKVNRNLVEEVNAHMKTCFLFKTL 223

QY 199 SPYCVFRIGDLVAKAGCTFEDLALGGSVGRVHWDCDLDTGDSGCWPHYSFQ--LQEK 256
Db HPLCPVQLGYVQESGQNFSTLAEGGVVGTIDWHCDLDHWHVHRCRPIYEFHGLYBEK 283

QY 257 S-----YNFRTHHWQGVGEARTLLKYGIRFDILVTGQAKGFLIPTAVTLGTGAWL 312
Db NLSPGFNFRFARHFVEN-GTNYRHLPKVFGRFDILVDGKAGKFDIIPMTTIGSGIGIF 342

QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYEEAKPKATANSVWRELALASQA--RLAECLRR 369
Db GVATVLCDLLLHLIPKRHYKQKPKYAEWDMGPGAAE-----RDLAATSSSTLGLQENMRT 398

QY 370 S 370
Db 399 S 399

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RESULT 13
US-09-363-745-11
; Sequence 11, Application US/09363745
; Patent No. 6194162
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2x RECEPTORS (PURINOCEPTOR FAMILY)
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/363,745
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/750,134
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CRAWFORD, ARTHUR C.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 1430-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4006
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-363-745-11

Query Match 33.4%; Score 744; DB 3; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY 20 WALLAKGYQERDLBPQPSIITKLKGVSVTQIKELGNRLWDVADFKVPPQGENVFLVTN 79
Db 47 WFLYKGYQTSS-GLISSVSVKLGLAVTQLPGLGPQWDVADYVFPAGGNSFVMTN 105
QY 80 FLVTPAQVQRCPEHPSVPLANCWDEDCPEGGTHSHGVTGQCVFNGTHRTCEIWS 139
Db 106 FIVTPKQTQGYCAEHPEGGI--CKEDSGCTPGKAKKAGIIRTKCVAFNDVTKCEIFG 163
QY 140 WCPVE-SGVVPSRPLLAQNFILFKNTVTSKFNFSKNALETWDPYTFKHCRYEQF 198
Db 164 WCPVEVDDDDIPRALLREAEFTLFKNSISFPFKVNRNLVEEVNAAHMTCLFHKTL 223
QY 199 SPYCVFRIQDLVAKAGTFEDLALGGSVGIRVHWDCDLDTGDSGCMWPHYSFQ--LQEK 256
Db 224 HPLCPVQLGYVQVSGQNFSTLAEKGGVVGITIDWHCDLHWVRHCRPIYFPHGLYBEK 283
QY 257 S-----YNERTATHWQEQVVEARTLLKLYGIRFDILVTQAGCKFGLIPTAVTLGTGAWL 312
Db 284 NLSPGFNFRFARHFVEN-GTNYRHLFPKVGIRFDILVDGKAGKFDIIPITWTIGSIGIF 342
QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYBEAKAPKATANSVWRELALASQA-RLAECLRR 369
Db 343 GVATVLCDLLLHLPKRHYKQKPKYAEADMGPGAAE-----RDLAATSTSLGLQENMRT 398

Query Match 33.4%; Score 744; DB 4; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY 20 WALLAKGYQERDLBPQPSIITKLKGVSVTQIKELGNRLWDVADFKVPPQGENVFLVTN 79
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QY 80 FLVTPAQVQRCPEHPSVPLANCWDEDCPEGGTHSHGVTGQCVFNGTHRTCEIWS 139
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Db 164 WCPVEVDDDDIPRALLREAEFTLFKNSISFPFKVNRNLVEEVNAAHMTCLFHKTL 223
QY 199 SPYCVFRIQDLVAKAGTFEDLALGGSVGIRVHWDCDLDTGDSGCMWPHYSFQ--LQEK 256
Db 224 HPLCPVQLGYVQVSGQNFSTLAEKGGVVGITIDWHCDLHWVRHCRPIYFPHGLYBEK 283
QY 257 S-----YNERTATHWQEQVVEARTLLKLYGIRFDILVTQAGCKFGLIPTAVTLGTGAWL 312
Db 284 NLSPGFNFRFARHFVEN-GTNYRHLFPKVGIRFDILVDGKAGKFDIIPITWTIGSIGIF 342
QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYBEAKAPKATANSVWRELALASQA-RLAECLRR 369
Db 343 GVATVLCDLLLHLPKRHYKQKPKYAEADMGPGAAE-----RDLAATSTSLGLQENMRT 398

RESULT 14
US-09-949-016-6236
; Sequence 6236, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6236
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6236

Query Match 33.4%; Score 744; DB 4; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY 20 WALLAKGYQERDLBPQPSIITKLKGVSVTQIKELGNRLWDVADFKVPPQGENVFLVTN 79
Db 47 WFLYKGYQTSS-GLISSVSVKLGLAVTQLPGLGPQWDVADYVFPAGGNSFVMTN 105
QY 80 FLVTPAQVQRCPEHPSVPLANCWDEDCPEGGTHSHGVTGQCVFNGTHRTCEIWS 139
Db 106 FIVTPKQTQGYCAEHPEGGI--CKEDSGCTPGKAKKAGIIRTKCVAFNDVTKCEIFG 163
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Db 164 WCPVEVDDDDIPRALLREAEFTLFKNSISFPFKVNRNLVEEVNAAHMTCLFHKTL 223
QY 199 SPYCVFRIQDLVAKAGTFEDLALGGSVGIRVHWDCDLDTGDSGCMWPHYSFQ--LQEK 256
Db 224 HPLCPVQLGYVQVSGQNFSTLAEKGGVVGITIDWHCDLHWVRHCRPIYFPHGLYBEK 283
QY 257 S-----YNERTATHWQEQVVEARTLLKLYGIRFDILVTQAGCKFGLIPTAVTLGTGAWL 312
Db 284 NLSPGFNFRFARHFVEN-GTNYRHLFPKVGIRFDILVDGKAGKFDIIPITWTIGSIGIF 342
QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYBEAKAPKATANSVWRELALASQA-RLAECLRR 369
Db 343 GVATVLCDLLLHLPKRHYKQKPKYAEADMGPGAAE-----RDLAATSTSLGLQENMRT 398

RESULT 15
US-09-949-016-10007
; Sequence 10007, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10007
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-10007

Query Match      33.4%; Score 744; DB 4; Length 453;
Best Local Similarity 44.0%; Pred. No. 2e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY 20 WALLAKKGYOERDLEPQPSIIITKLKGVSVYTOIKELGNRLWDVADPVKPPQGENVFLVTN 79
Db 101 WFLYEKGQYTS-GLISSVSVKLGLAVTQLPGLGPQWMDVADYVFPAGDNSFVMTN 159

QY 80 FLVTPAQVQGRCPHPSVPLANCWDEDCPEGEGGTHSHGVKTGCQVFNQTHRTCEIWS 139
Db 160 FIVTPKQTQGYCAEHPEGI--CKEDSGCTPGKAKRKAQGIKTKCAFNQTHRTCEI 217

QY 140 WCPVE-SGVVSRPLAQONFTLFIKNTVTFKFNFSKSNALETWDTYFKHCRYEQF 198
Db 218 WCPVEVDDDIIPRALIREAENFTLFIKNSISPPRPKNRRNLVEEVNAAHMTCLFHKT 277

QY 199 SPYCPVFRIGDLVAKAGGTFFEDLALGSGVGIRVHWDCDLDTGDSGCWPHYSFQ--LQEK 256
Db 278 HPLCPVFQLGVYVQESGQNFSTLAKEKGVVGTIDWHCDLDWHVRHCRPIYEFHGLYE 337

QY 257 S----YNFRATHWBPQGVARTLLKYGIRFDILVTGQAGKFGLIPTAVTLGTGAWL 312
Db 338 NLSPGFNFRAHFVEN-GTYRHLEFKVFGIRFDILVDGKAGKFDIIPMTTIGSGIGIF 396

QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYEAKAPKATANSVWRELALASQA-RLAECLRR 369
Db 397 GVATVLCDLLLHLLPKRHYKQKPKYAEDMGPGAAE----RDLAATSSTLGLQENMRT 452

QY 370 S 370
Db 453 S 453
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Search completed: August 19, 2005, 22:52:55
Job time : 43 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 19, 2005, 22:45:39 ; Search time 161 Seconds
(without alignments)
985.046 Million cell updates/sec

Title: US-09-820-095B-2

Perfect score: 2226

Sequence: 1 MGSPGATGGLLDYKTEKW.....TFGWPCCSSDTHLPTHGSL 405

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1759131 segs, 391586102 residues

Total number of hits satisfying chosen parameters: 1759131

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	2226	100.0	405	10 US-09-820-095-2	Sequence 2, Appli
2	2203	99.0	431	10 US-09-820-095-4	Sequence 4, Appli
3	2203	99.0	431	16 US-10-817-607-11	Sequence 11, Appli
4	1128.5	50.7	395	16 US-10-817-607-12	Sequence 12, Appli
5	1080.5	48.5	364	15 US-10-051-874-125	Sequence 125, App
6	825.5	37.1	422	16 US-10-128-558-144	Sequence 144, App
7	822	36.9	422	16 US-10-370-715B-572	Sequence 572, App
8	816	36.7	388	9 US-09-833-082-2	Sequence 2, Appli
9	816	36.7	388	15 US-10-455-552-2	Sequence 2, Appli
10	816	36.7	388	16 US-10-817-607-9	Sequence 9, Appli
11	816	36.7	388	17 US-10-482-029-257	Sequence 257, App

12	816	36.7	388	17	US-10-676-289-2	Sequence 2, Appli
13	810	36.4	388	15	US-10-386-414-17	Sequence 17, Appli
14	803.5	36.1	421	16	US-10-817-607-10	Sequence 10, Appli
15	744	33.4	399	15	US-10-352-684A-54	Sequence 54, Appli
16	744	33.4	399	16	US-10-817-607-8	Sequence 8, Appli
17	709	31.9	459	14	US-10-345-680-11	Sequence 11, Appli
18	709	31.9	459	15	US-10-051-874-123	Sequence 123, App
19	709	31.9	471	16	US-10-817-607-6	Sequence 6, Appli
20	704.5	31.6	397	16	US-10-408-765A-2202	Sequence 2202, Ap
21	704.5	31.6	397	18	US-10-491-545A-42	Sequence 42, Appli
22	694	31.2	402	11	US-09-764-875-905	Sequence 905, App
23	694	31.2	404	15	US-10-051-874-134	Sequence 124, App
24	693	31.1	497	15	US-10-051-874-120	Sequence 120, App
25	673.5	30.3	287	15	US-10-455-552-3	Sequence 3, Appli
26	673.5	30.3	397	16	US-10-817-607-7	Sequence 7, Appli
27	631	28.3	447	15	US-10-051-874-121	Sequence 121, App
28	631	28.3	447	15	US-10-051-874-122	Sequence 122, App
29	615	27.6	473	15	US-10-051-874-42	Sequence 42, Appli
30	611.5	27.5	595	16	US-10-408-765A-2166	Sequence 2166, Ap
31	608.5	27.3	595	16	US-10-622-313-1	Sequence 1, Appli
32	608.5	27.3	595	16	US-10-789-241-40	Sequence 40, Appli
33	608.5	27.3	595	18	US-10-825-593-3	Sequence 3, Appli
34	608.5	27.3	595	18	US-10-825-593-9	Sequence 9, Appli
35	607.5	27.3	588	18	US-10-825-593-11	Sequence 11, Appli
36	607.5	27.3	595	16	US-10-817-607-3	Sequence 3, Appli
37	607.5	27.3	595	16	US-10-817-607-4	Sequence 4, Appli
38	607.5	27.3	595	18	US-10-825-593-4	Sequence 4, Appli
39	607.5	27.3	595	18	US-10-825-593-5	Sequence 5, Appli
40	607.5	27.3	595	18	US-10-825-593-10	Sequence 10, Appli
41	607.5	27.3	595	18	US-10-825-593-12	Sequence 12, Appli
42	606.5	27.2	595	10	US-09-977-221-4	Sequence 4, Appli
43	606.5	27.2	595	16	US-10-766-978-4	Sequence 4, Appli
44	606.5	27.2	595	18	US-10-825-593-7	Sequence 7, Appli
45	603.5	27.1	595	18	US-10-825-593-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1
US-09-820-095-2
; Sequence 2, Application US/09820095
; Publication NO. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL001202
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-09-820-095-2

Query Match 100.0%; Score 2226; DB 10; Length 405;
Best Local Similarity 100.0%; Pred. No. 6.6e-214;
Matches 405; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MGSPGATGGLLDYKTEKWALLKKGVOERDLEPQFSITIKLKGVSVTQIKELGNRLWD 60
QY 61 VADFVKPPGQGVNFFLVNTFLVTPAQVQRCPEHPSVPLANCWVDCEGEGGTHSHGV 120
Db 61 VADFVKPPGQGVNFFLVNTFLVTPAQVQRCPEHPSVPLANCWVDCEGEGGTHSHGV 120
QY 121 KTGQCQVFNQTHRTCEIWSWCVPESGWSRPLLAQAQNTLFIKNTVTFSKFNFSKNSA 180
Db 121 KTGQCQVFNQTHRTCEIWSWCVPESGWSRPLLAQAQNTLFIKNTVTFSKFNFSKNSA 180

Db 121 KTGQCVFNGTHRTCEIWSKCPVSGVPSRPLLAQAQNTFLIKNTVTFSEKFNFSKNA 180
QY 181 LETWDPYFKHCRYEPQSPYCPVFRIGDLVAKAGTGFEDLALLGSGVGIRVHWCDDLT 240
Db 181 LETWDPYFKHCRYEPQSPYCPVFRIGDLVAKAGTGFEDLALLGSGVGIRVHWCDDLT 240
QY 241 GDSGCHPHYSFQLOEKSYNFRATATHWEEQPGVEARTLLKLYGIRFDILTGOAGKFGFLIP 300
Db 241 GDSGCHPHYSFQLOEKSYNFRATATHWEEQPGVEARTLLKLYGIRFDILTGOAGKFGFLIP 300
QY 301 TAVTLGTGAALGWVTFCCDLLLYVDREAHFVWRTKYBEAKAPKATANSVMRELALASQ 360
Db 301 TAVTLGTGAALGWVTFCCDLLLYVDREAHFVWRTKYBEAKAPKATANSVMRELALASQ 360
QY 361 ARLAECLRRSSAPATATAAGSQTPGWPCCSSDTHLPHSGSL 405
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RESULT 2

US-09-820-095-4
; Sequence 4, Application US/09820095
; Publication No. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Human
US-09-820-095-4

Query Match 99.0%; Score 2203; DB 10; Length 431;
Best Local Similarity 94.0%; Pred. No. 1.5e-211;
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

QY 1 MGSPGATTGWGLLDYKTEK-----WALLAKGYQERDLE 34
Db 1 MGSPGATTGWGLLDYKTEKYVMTRNWRVGAQLQRLQFGIVVYVVGWALLAKGYQERDLE 60
QY 35 POFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 94
Db 61 POFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 120
QY 95 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNHGTCTCEIWSKCPVSGVPSRPL 154
Db 121 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNHGTCTCEIWSKCPVSGVPSRPL 180
QY 155 AQAQNTFLIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 214
Db 181 AQAQNTFLIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 240
QY 215 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATATHWEEQPGVEA 274
Db 241 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATATHWEEQPGVEA 300
QY 275 RTLLKLYGIRFDILTGOAGKFGFLIPTAVTLGTGAALGWVTFPCDLLLLLYVDREAHFVW 334
Db 301 RTLLKLYGIRFDILTGOAGKFGFLIPTAVTLGTGAALGWVTFPCDLLLLLYVDREAHFVW 360
QY 335 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 394
Db 361 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 420
QY 395 DTHLPHSGSL 405
Db 395 DTHLPHSGSL 405

Db 421 DTHLPHSGSL 431

RESULT 3

US-10-817-607-11
; Sequence 11, Application US/10817607
; Publication No. US20040229262A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN P2X7 SPLICE VARIANT,
; FILE REFERENCE: D0272 NP
; CURRENT APPLICATION NUMBER: US/10/817,607
; PRIOR FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: U.S. 60/460340
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 11
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-817-607-11

Query Match 99.0%; Score 2203; DB 16; Length 431;
Best Local Similarity 94.0%; Pred. No. 1.5e-211;
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

QY 1 MGSPGATTGWGLLDYKTEK-----WALLAKGYQERDLE 34
Db 1 MGSPGATTGWGLLDYKTEKYVMTRNWRVGAQLQRLQFGIVVYVVGWALLAKGYQERDLE 60
QY 35 POFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 94
Db 61 POFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 120
QY 95 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNHGTCTCEIWSKCPVSGVPSRPL 154
Db 121 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNHGTCTCEIWSKCPVSGVPSRPL 180
QY 155 AQAQNTFLIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 214
Db 181 AQAQNTFLIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 240
QY 215 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATATHWEEQPGVEA 274
Db 241 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATATHWEEQPGVEA 300
QY 275 RTLLKLYGIRFDILTGOAGKFGFLIPTAVTLGTGAALGWVTFPCDLLLLLYVDREAHFVW 334
Db 301 RTLLKLYGIRFDILTGOAGKFGFLIPTAVTLGTGAALGWVTFPCDLLLLLYVDREAHFVW 360
QY 335 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 394
Db 361 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 420
QY 395 DTHLPHSGSL 405
Db 421 DTHLPHSGSL 431

RESULT 4

US-10-817-607-12
; Sequence 12, Application US/10817607
; Publication No. US20040229262A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN P2X7 SPLICE VARIANT,
; FILE REFERENCE: D0272 NP
; CURRENT APPLICATION NUMBER: US/10/817,607
; CURRENT FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: U.S. 60/460340

```
/ PRIOR FILING DATE: 2003-04-03
/ NUMBER OF SEQ ID NOS: 96
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 12
/ LENGTH: 395
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: P2X Consensus Polypeptide Sequence
US-10-817-607-12

Query Match          50.7%; Score 1128.5; DB 16; Length 395;
Best Local Similarity 55.7%; Pred. No. 6.3e-104;
Matches 201; Conservative 53; Mismatches 90; Indels 17; Gaps 5;

QY 9 GW---GLLDYKTEKALLAKGQYERDLPEQPSIIITKLKGV---SVTQIKELGNRLWDVA 62
DB 33 GWASAGATGALSHRYVFLWEKGQDRDTSQSSVIITKVGAVMTNTVQTSMLGNRVWDVA 92

QY 63 DFVKPPQGENVFLVTNFLTVAQVQRCPEHPSVPLANCWVDEDCPEGEGGTHSHGVKT 122
DB 93 DIVIIPPQGENVFLVTNFLTVAQVQRCPEHPSVPLANCWVDEDCPEGEGGTHSHGVKT 152

QY 123 GQCVVFNQTH-RTCEIWSWCPVE-SGVVPSRPLLAQAQNTFLFIKVTTFSPKFNFSKNA 180
DB 153 GRCVRFNHSRRTCEIWAQCPVEDDDHVPMPMLKEAENFTPIKNSIWFPKFNFSKRNI 212

QY 181 LETWDTYFKCHRYEPQSPYCPVPRIGDLVAKAGTGFEDLALLGSGVIRVHWCDDLT 240
DB 213 LENWDTYFKCHRYEPQSPYCPVPRIGDLVAKAGTGFEDLALLGSGVIRVHWCDDLT 272

QY 241 GSGCWPHYSFQIQEK-----SYNFRATHTHWQPGVEARTLLKLYGIRFOILVTG 291
DB 273 ANSHCWPHYSFRLDNRKHEHNSVPCYNFRPAKYVWNNGVETRLMKAYGIRFVIVHG 332

QY 292 QAKGFLIPTAVTLTGGAWLGVVTFPCDILLLYVDREAHFYWRTKYERAKAPKATANSV 351
DB 333 KAGKFDIPTMINIGSLAWMGVTFPCDILLLYCMKRRHYWHKFEYVEDMKQANSE 392

QY 352 W 352
DB 393 W 393

RESULT 5
US-10-051-874-125
/ Sequence 125, Application US/10051874
/ Publication No. US20040005557A1
/ GENERAL INFORMATION:
/ APPLICANT: Padigar, Muralidhara
/ APPLICANT: Alsobrook II, John P
/ APPLICANT: Coleman, Steven D
/ APPLICANT: Spytek, Kimberly A
/ APPLICANT: Boldog, Ferenc
/ APPLICANT: Vernet, Corine AM
/ APPLICANT: Li, Li
/ APPLICANT: Shenoy, Suresh G
/ APPLICANT: Casman, Stacie J
/ APPLICANT: Guo, Xiaojia Sasha
/ APPLICANT: Edinger, Shlomit R
/ APPLICANT: MacDougall, John R
/ APPLICANT: Malyankar, Uriel M
/ APPLICANT: Patturajan, Meera
/ APPLICANT: Shinkets, Richard A
/ APPLICANT: Pena, Carol EA
/ APPLICANT: Tchernev, Velizar T
/ APPLICANT: Zerhusen, Bryan D
/ APPLICANT: Millet, Isabelle
/ APPLICANT: Miller, Charles E
/ APPLICANT: Lepley, Denise M
/ APPLICANT: Smithson, Glenna
/ APPLICANT: Baumgartner, Jason C
/ APPLICANT: Herrman, John L

/ APPLICANT: Peyman, John A
/ APPLICANT: Gorman, Linda
/ APPLICANT: Mezes, Peter D
/ APPLICANT: Kekuda, Ramesh
/ APPLICANT: Taupier Jr, Raymond J
/ APPLICANT: Gerlach, Valerie
/ APPLICANT: Grosse, William M
/ APPLICANT: Liu, Xiaohong
/ APPLICANT: Rotherman, Karen
/ APPLICANT: Rotherberg, Mark
/ APPLICANT: Stone, David J
/ APPLICANT: Burgess, Catherine E
/ TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
/ FILE REFERENCE: 21402-245
/ CURRENT APPLICATION NUMBER: US/10/051,874
/ PRIOR FILING DATE: 2002-09-25
/ PRIOR APPLICATION NUMBER: 60/268,595
/ PRIOR FILING DATE: 2001-02-14
/ PRIOR APPLICATION NUMBER: 60/325,306
/ PRIOR FILING DATE: 2001-09-27
/ PRIOR APPLICATION NUMBER: 60/262,587
/ PRIOR FILING DATE: 2001-01-18
/ PRIOR APPLICATION NUMBER: 60/272,409
/ PRIOR FILING DATE: 2001-02-28
/ PRIOR APPLICATION NUMBER: 60/262,454
/ PRIOR FILING DATE: 2001-01-18
/ PRIOR APPLICATION NUMBER: 60/276,777
/ PRIOR FILING DATE: 2001-03-16
/ PRIOR APPLICATION NUMBER: 60/291,672
/ PRIOR FILING DATE: 2001-05-17
/ PRIOR APPLICATION NUMBER: 60/330,336
/ PRIOR FILING DATE: 2001-10-18
/ PRIOR APPLICATION NUMBER: 60/265,530
/ PRIOR FILING DATE: 2001-01-31
/ PRIOR APPLICATION NUMBER: 60/261,376
/ PRIOR FILING DATE: 2001-01-16
/ NUMBER OF SEQ ID NOS: 269
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 125
/ LENGTH: 364
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: P2X_receptor
/ OTHER INFORMATION: domain sequence
US-10-051-874-125

Query Match          48.5%; Score 1080.5; DB 15; Length 364;
Best Local Similarity 56.1%; Pred. No. 3.6e-99;
Matches 203; Conservative 44; Mismatches 80; Indels 35; Gaps 4;

QY 14 DYKTEK-----WALLAKGYQERDLEPQPSIITKLKGV 47
DB 2 DYKTPKYVVRNKKVGLNRLVQLLILVYVGVFLEIKGYQDSPTSLOSSVITKVGVA 61

QY 48 VTQIKELGNRLWDVADFKVPPQGENVFLVTNFLTVAQVQRCPEHPSVPLANCWVDE 107
DB 62 VTNTELGNRVWDVADYVIPPQGENVFLVTNFLTVAQVQRCPEHPSVPLANCWVDE 121

QY 108 CPEGEGGTHSHGVKTGQCWVFNGT-HRTCEIWSWCPVESGVVPSRPLLAQAQNTFLFIKN 166
DB 122 CTAGEAGTHNGIKTGRCVAFNGSVRRTCEIFAMCPVEVDVTPNPPLKEAENFTFIKN 181

QY 167 TVTSPKFNFSKNALETWDTYFKCHRYEPQSPYCPVPRIGDLVAKAGTGFEDLALLG 226
DB 182 SIRFPKFNFSKGNLLENKTDITYLKHCRFHPTNDPYCPIFRLGVDVVEKAGQDFQDLALKG 241

QY 227 SVGIRVHWCDDLTGDCGCMWPHYSFQ-----LOEKS-----YNFRATHTHWQPGVEARTLL 278
DB 242 VIGIINWDCDDLDKAASECNCPHYSRRLDNKKEKSVSPGYNFRFAKYIRDNNGVEVETLL 301

QY 279 KLYGIRFDILVTGQAGKFLIPTAVTLTGTAWLGVVTFPCDILLLYVDREAHFYWRTKY 338
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[illegible]

; ORGANISM: Homo sapiens
US-10-455-552-2

Query Match	36.7%;	Score	816;	DB	15;	Length	388;
Best Local Similarity	47.0%;	Pred. No.	1.3e-72;				
Matches	155;	Conservative	56;	Mismatches	107;	Indels	12;
Gaps	4;						
Qy	20	WALLAKGQYERDLEPQFSITITLKGVSVTOIKELGNRLWDVADFVKPQPOGENVFPLVTN	79				
Db	46	WVFWKGGQETD-SVVSSVTTKVGKVAVNTSKLGFRIWDVADYVIPAQEENSLFMTN	104				
Qy	80	FLVTPAQVQGRCPHPSVPLANCWVDEDCPEGSGTHSGVKTCQCQVFNQTHRTCEIWS	139				
Db	105	VILTMNQTGLCEIPIDATTV-CKSDASCTAGSAGTHSGVSTGRCVAFNGSVKTCVEAA	163				
Qy	140	WCPVSGV-VPSRPLLAQAQNFLFTKNTVTSKFNFSKNALETWDPYFKHCRVPOF	198				
Db	164	WCPVEDDTHVPOPAFLKAENFTLLVKNNIWYKFNFSKRNILPNITITTYLKSICYDAKT	223				
Qy	199	SPYCPVFRIGDLVAKAGGTFFEDLALLGGSGVIRVHWDCLDITGDCGWCWPHYSFQOQ---	255				
Db	224	DPFCPIFRLGKIVENAGHSFQDVAWGSGINGIQVNWDCNLDRAASLCLEPRSFRLDTRD	283				
Qy	256	-----KSNYFRATTHWQPGVEARLLKLYGIREFDILVTQAGKFGFLIPTAVTLGTGA	309				
Db	284	VEHNVSPGYNFRKYYRDLRDLAGNEQRTLIKAYGIRFDIIVFGKAGRFDIIPMINIGSGL	343				
Qy	310	ANLGWVTFFFCDLLLLLVYDREAHFYWTKYE	339				
Db	344	ALLGMATVLCDIIVLYCMKKRLYYRSKCYK	373				

RESULT 10

US-10-817-607-9
; Sequence 9, Application US/10817607
; Publication No. US20040229262A1
; GENERAL INFORMATION:

? GENCODE INFORMATION.
 ? APPLICANT: Bristol-Myers Squibb Company
 ? TITLE OF INVENTION: HBMVNP2X7V
 ? TITLE OF INVENTION: HBMVNP2X7V
 ? FILE REFERENCE: D0272 NP
 ? CURRENT APPLICATION NUMBER: US/10/817,607
 ? CURRENT FILING DATE: 2004-04-02
 ? PRIOR APPLICATION NUMBER: U.S. 60/460340
 ? PRIOR FILING DATE: 2003-04-03
 ? NUMBER OF SEQ ID NOS: 96
 ? SOFTWARE: PatentIn version 3.2
 ? SEQ ID NO 9
 ? LENGTH: 388

Query Match 36.7%; Score 816; DB 16; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.3e-72;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

RESULT 9

US-10-455-552-2 ; Sequence 2, Application US/10455552
; Publication No. US20040018533A1

```

; GENERAL INFORMATION:
; APPLICANT: Adam, Gail Isabel
; APPLICANT: Langdown, Maria
; APPLICANT: Roth, Richard
; APPLICANT: Denissenko, Mikhail
; APPLICANT: Smylie, Kevin
; TITLE OF INVENTION: REDISPOSITION TO PAT
; TITLE OF INVENTION: DEPOSITION AND THERAPEUTIC METHODS FOR REDUCING FAT
; TITLE OF INVENTION: DEPOSITION AND TREATMENT OF ASSOCIATED CONDITIONS
; FILE REFERENCE: 52459-20030.00
; CURRENT APPLICATION NUMBER: US/10/455,552
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: US 60/386,012
; PRIOR FILING DATE: 2002-06-04
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 388
; TYPE: PRT

```

RESULT 8

```

US-09-833-082-2
; Sequence 2, Application US/09833082
; Patent No. US20020151480A1
; GENERAL INFORMATION:
; APPLICANT: Chun, Myoung
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE USING 10218
; FILE REFERENCE: MNI-227
; CURRENT APPLICATION NUMBER: US/09/833,082
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 388
;

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```
Query Match      36.7%; Score 816; DB 9; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.3e-72;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;
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RESULT 9

US-10-455-552-2 ; Sequence 2, Application US/10455552
; Publication No. US20040018533A1

```

; GENERAL INFORMATION:
; APPLICANT: Adam, Gail Isabel
; APPLICANT: Langdown, Maria
; APPLICANT: Roth, Richard
; APPLICANT: Denissenko, Mikhail
; APPLICANT: Smylie, Kevin
; TITLE OF INVENTION: REDISPOSITION TO PAT
; TITLE OF INVENTION: DEPOSITION AND THERAPEUTIC METHODS FOR REDUCING FAT
; TITLE OF INVENTION: DEPOSITION AND TREATMENT OF ASSOCIATED CONDITIONS
; FILE REFERENCE: 52459-20030.00
; CURRENT APPLICATION NUMBER: US/10/455,552
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: US 60/386,012
; PRIOR FILING DATE: 2002-06-04
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 388
; TYPE: PRT

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QY 256 -----KSYNERTATHHWQPGVEARTLLKLYGIREDIILVTGOAGKFGLIPTAVTLGTGA 309
Db 284 VEHNVSPGYNFRFAKYRDLAGNEQRTLLIKAYGIRFDIIVFGKAGKFDIIPITMINIGSGL 343
QY 310 AWLGVVTFPCDLLLLLYVDREAHFYWRKYE 339
Db 344 ALLGMATVLCDDIIVLYCMKKRLYYREKKYK 373

RESULT 11

US-10-482-029-257
; Sequence 257, Application US/10482029
; Publication No. US20050037445A1
; GENERAL INFORMATION:
; APPLICANT: ODIN medical A/S
; TITLE OF INVENTION: Oncology drug innovation
; FILE REFERENCE: P 573 PC00
; CURRENT APPLICATION NUMBER: US/10/482,029
; CURRENT FILING DATE: 2003-12-29
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 257
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-482-029-257

Query Match 36.7%; Score 816; DB 17; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.3e-72;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

QY 20 WALLAKKGQERDLBPQFSIIITKLKGVSVTQIKELGNRLWDVADVFKPPQGSNVFPLVTN 79
Db 46 WVFVMEKGQETD-SVSSVTTTKVKGAVTNTSKLGFRIWDVADVIVIPAQENSFLFVMTN 104
QY 80 FLVTPAQVQGRCPPEHPSVPLANCWDEDCPEBGGTSHGVTGOCVVFNGTHRTCEIWS 139
Db 105 VILTNQTOGLCPEIPDATTV-CKSDASCTAGSAGTHSGVSTGRCAVFNAGSVKTCVAAA 163
QY 140 WCPVESGV-VPSRPLLAQAQNTLPIKNTVTFSEKFNFSKNALETWDTPTFYFKHCRYEQF 198
Db 164 WCPVEDDTHVPQAPAFKAAENFTLLVKNNIWPKFNFSKRNILPNITTYLKSCLYDAKT 223
QY 199 SPYCPVFRIGDLVAKAGGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQJQE--- 255
Db 224 DPFCPIFLGKIVENAGHSFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRDLTRD 283
QY 256 -----KSYNERTATHHWQPGVEARTLLKLYGIRFDIILVTGOAGKFGLIPTAVTLGTGA 309
Db 284 VEHNVSPGYNFRFAKYRDLAGNEQRTLLIKAYGIRFDIIVFGKAGKFDIIPITMINIGSGL 343
QY 310 AWLGVVTFPCDLLLLLYVDREAHFYWRKYE 339
Db 344 ALLGMATVLCDDIIVLYCMKKRLYYREKKYK 373

RESULT 12

US-10-676-289-2
; Sequence 2, Application US/10676289
; Publication No. US20050074819A1
; GENERAL INFORMATION:
; APPLICANT: TSUDA, MAKOTO
; APPLICANT: KOIZUMI, SCHUICHI
; APPLICANT: KOHSAKA, SHINICHI
; APPLICANT: KOHSAKA, KAZUHIDE INOUE
; TITLE OF INVENTION: A SCREENING METHOD OF DRUG FOR TREATMENT OF NEUROPATHIC PAIN
; FILE REFERENCE: U 014843-4
; CURRENT APPLICATION NUMBER: US/10/676,289
; CURRENT FILING DATE: 2003-10-01
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 2
; LENGTH: 388

; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-10-676-289-2

Query Match 36.7%; Score 816; DB 17; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.3e-72;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

QY 20 WALLAKKGQERDLBPQFSIIITKLKGVSVTQIKELGNRLWDVADVFKPPQGSNVFPLVTN 79
Db 46 WVFVMEKGQETD-SVSSVTTTKVKGAVTNTSKLGFRIWDVADVIVIPAQENSFLFVMTN 104
QY 80 FLVTPAQVQGRCPPEHPSVPLANCWDEDCPEBGGTSHGVTGOCVVFNGTHRTCEIWS 139
Db 105 VILTNQTOGLCPEIPDATTV-CKSDASCTAGSAGTHSGVSTGRCAVFNAGSVKTCVAAA 163
QY 140 WCPVESGV-VPSRPLLAQAQNTLPIKNTVTFSEKFNFSKNALETWDTPTFYFKHCRYEQF 198
Db 164 WCPVEDDTHVPQAPAFKAAENFTLLVKNNIWPKFNFSKRNILPNITTYLKSCLYDAKT 223
QY 199 SPYCPVFRIGDLVAKAGGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQJQE--- 255
Db 224 DPFCPIFLGKIVENAGHSFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRDLTRD 283
QY 256 -----KSYNERTATHHWQPGVEARTLLKLYGIRFDIILVTGOAGKFGLIPTAVTLGTGA 309
Db 284 VEHNVSPGYNFRFAKYRDLAGNEQRTLLIKAYGIRFDIIVFGKAGKFDIIPITMINIGSGL 343
QY 310 AWLGVVTFPCDLLLLLYVDREAHFYWRKYE 339
Db 344 ALLGMATVLCDDIIVLYCMKKRLYYREKKYK 373

RESULT 13

US-10-386-414-17
; Sequence 17, Application US/10386414
; Publication No. US20040006016A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Robison, Keith E.
; APPLICANT: White, David
; APPLICANT: Williamson, Mark W.
; APPLICANT: Cook, William James
; APPLICANT: Meyers, Rachel E.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Carroll, Joseph M.
; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: NOVEL 27875, 22025, 27420, 17906, 16319,
; FILE REFERENCE: MPI03-0210MNIM
; CURRENT APPLICATION NUMBER: US/10/386,414
; CURRENT FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: 09/426,282
; PRIOR FILING DATE: 1999-10-25
; PRIOR APPLICATION NUMBER: 09/668,266
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/330,970
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: 09/724,599
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 09/860,193
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 10/283,023
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: 60/335,044
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 10/010,943
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/254,037
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/833,082
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 19

Result No.	Score	Query #		Length	DB	ID	Description	
		Match	Count					
1	159	8.0	394	3	US-09-191-136-27	Sequence 27, Apr1		
C 2	158.4	7.9	160	4	US-09-513-9990-22989	Sequence 22989, A		
	115.4	5.8	52711	4	US-09-949-016-12224	Sequence 12224, A		
4	115.4	5.8	52865	4	US-09-949-016-15618	Sequence 15618, A		
5	115.4	5.8	72602	4	US-09-949-016-13485	Sequence 13485, A		
6	105.2	5.5	601	4	US-09-949-016-32130	Sequence 32130, A		
7	109.2	5.5	601	4	US-09-949-016-162086	Sequence 162086, A		
8	109.2	5.5	79350	4	US-09-949-016-12467	Sequence 12467, A		
9	109.2	5.5	79351	4	US-09-949-016-16275	Sequence 16275, A		
C 10	103.4	5.2	27630	4	US-09-949-016-12722	Sequence 12722, A		
	101	5.1	601	4	US-09-949-016-32131	Sequence 32131, A		
C 11	101	5.1	601	4	US-09-949-016-32131	Sequence 32131, A		
C 12	101	5.1	601	4	US-09-949-016-162087	Sequence 162087, A		
C 13	99.2	5.0	61178	4	US-09-949-016-17369	Sequence 17369, A		
C 14	99	5.0	14241	4	US-09-949-016-13869	Sequence 13869, A		
C 15	98.8	4.9	24070	4	US-09-949-016-16153	Sequence 16153, A		
C 16	98.6	4.9	19145	4	US-09-949-016-12244	Sequence 12244, A		
	98.6	4.9	19146	4	US-09-949-016-13941	Sequence 13941, A		
C 17	98.6	4.9	84870	4	US-09-949-016-17547	Sequence 17547, A		
C 18	98.2	4.9	84870	4	US-09-949-016-17547	Sequence 17547, A		
C 19	98	4.9	601	4	US-09-949-016-86019	Sequence 86019, A		
C 20	97.6	4.9	54382	4	US-09-949-016-12139	Sequence 12139, A		
C 21	97.4	4.9	73295	4	US-09-949-016-15151	Sequence 15151, A		
C 22	97.2	4.9	53442	4	US-09-949-016-11921	Sequence 11921, A		
C 23	97.2	4.9	53453	4	US-09-949-016-13370	Sequence 13370, A		
C 24	97	4.9	84558	4	US-09-949-016-15752	Sequence 15752, A		
C 25	97	4.9	223471	4	US-09-949-016-12378	Sequence 12378, A		
C 26	97	4.9	223471	4	US-09-949-016-12724	Sequence 12724, A		
C 27	97	4.9	223471	4	US-09-949-016-12725	Sequence 12725, A		

Query Match 5.8%; Score 115.4; DB 4; Length 72602;
Best Local Similarity 73.3%; Pred. No. 3.9e-20; Indels 3; Gaps 1;
Matches 162; Conservative 0; Mismatches 56;
QY 239 CAACCTGGGCAACATAGCCAGATATAAAATTTTAAATAGCCAGATGTGGTAGCC-- 296
DB 35367 CAGCTGGGCAACATAGCCAGATATAAAATTTTAAATAGCCAGATGTGGTAGCT 35426
QY 297 -CCTGTAGTCTAGGACTCAGAGGCTCAGGAGGCTCACCAGTGCAGAGTTCA 355
DB 35427 ACCGTAGTCTAGTACTTGAAGGCTCAGGAGGAGGATCTTGGAGTCTAGGAGTTTG 35486
QY 356 AGGATCAGTGTAGTATGCTCCGCACTGCACTGAAAGCTGGTGACAGCAAGACCC 415
DB 35487 AGCTCAGGAGTATGATCACACCTGCACTCCAGCTGGGTGACAGCGAGATCC 35546
QY 416 TGGCTCTAATAATGAATACATAAAGTCTCACAGCTAGTGG 456
DB 35547 TTCTCAAAATTAATAATAAAGGTGATAGGTGG 35587

RESULT 6
US-09-949-016-32130/c
; Sequence 32130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32130
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-32130

Query Match 5.5%; Score 109.2; DB 4; Length 601;
Best Local Similarity 74.2%; Pred. No. 2e-19;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
QY 263 AAAAAATTTAAATTTAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGC 322
DB 384 AAAAAATTTAAATTTAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGC 325
QY 323 TGAGGAGGAGGCTCAGGAGTGCAGAGTTCAGAGTGCAGTATGATCTCTGCCA 382
DB 324 TGAGGAGTGTAGTACTTGGAGGAGTTCAGAGTGCAGTATGATCTCTGCCA 265

QY 383 CTGCACTGAAAGCTGGTGACAGACGACCTGGCTCTTAATAATGATACATAAAGT 442
DB 264 CTGCACTCAAGTCTAGGTGACTGAGAAAAACCTTGTCTTAAAAAATAAAAAATTTAAAA 205
QY 443 CTCACA 448
DB 204 TTAATA 199
RESULT 7
US-09-949-016-162086/c
; Sequence 162086, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162086
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-162086

Query Match 5.5%; Score 109.2; DB 4; Length 601;
Best Local Similarity 74.2%; Pred. No. 2e-19;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
QY 263 AAAAAATTTAAATTTAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGC 322
DB 384 AAAAAATTTAAATTTAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGC 325
QY 323 TGAGGAGGAGGCTCAGGAGTGCAGAGTTCAGAGTGCAGTATGATCTCTGCCA 382
DB 324 TGAGGAGTGTAGTACTTGGAGGAGTTCAGAGTGCAGTATGATCTCTGCCA 265
QY 383 CTGCACTGAAAGCTGGTGACAGACGACCTGGCTCTTAATAATGATACATAAAGT 442
DB 264 CTGCACTCAAGTCTAGGTGACTGAGAAAAACCTTGTCTTAAAAAATAAAAAATTTAAAA 205
QY 443 CTCACA 448
DB 204 TTAATA 199

RESULT 8
US-09-949-016-12467/c
; Sequence 12467, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12467
; LENGTH: 79350
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(79350)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12467

Query Match 5.5%; Score 109.2; DB 4; Length 79350;
Best Local Similarity 74.2%; Pred. No. 1.9e-18;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 263 AAAAAATTATTTAAATTTAGCCAGATGTGGTAGGCCCTGTAGTCTCAGCGACTCAGGAGGC 322
|||||
Db 51310 AAAAAATTATTTAAATTTAGCCAGCATGGTGGCTACTGTAGTCCAGCTACTCAGGAGGC 51251
|||||

QY 323 TGAGGCAGGAGGCTCACAGAGTGCAGAGTTCAAGATGCAGTGCAGTATGATCTCTGCCA 382
|||||
Db 51250 TGAGGCAGTAGGATCACTTGAGCCAGGAGTTCAAGGCTGCAGTGCAGTATGATTTGCCA 51191
|||||

QY 383 CTGCACTGAAGCTGGTGCAGAGCAAGACCTGCTCTTAATGAATCATATAAGT 442
|||||
Db 51190 CTGCACTGAAGTCTAGGTGACTGAGAAAAACCTTGTCTTAAAAAAATATAAAATTTAAAA 51131
|||||

QY 443 CTCACA 448
|||||
Db 51130 TTAATAA 51125
|||||

RESULT 9
US-09-949-016-16275/c
; Sequence 16275, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16275
; LENGTH: 79351
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(79351)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16275

Query Match 5.5%; Score 109.2; DB 4; Length 79351;
Best Local Similarity 74.2%; Pred. No. 1.9e-18;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 263 AAAAAATTATTTAAATTTAGCCAGATGTGGTAGGCCCTGTAGTCTCAGCGACTCAGGAGGC 322
|||||
Db 51310 AAAAAATTATTTAAATTTAGCCAGCATGGTGGCTACTGTAGTCCAGCTACTCAGGAGGC 51251
|||||

QY 323 TGAGGCAGGAGGCTCACAGAGTGCAGAGTTCAAGATGCAGTGCAGTATGATCTCTGCCA 382
|||||
Db 51250 TGAGGCAGTAGGATCACTTGAGCCAGGAGTTCAAGGCTGCAGTGCAGTATGATTTGCCA 51191
|||||

QY 383 CTGCACTGAAGCTGGTGCAGAGCAAGACCTGGCTCTTAATAATGAATCATATAAGT 442
|||||
Db 51190 CTGCACTGAAGTCTAGGTGACTGAGAAAAACCTTGTCTTAAAAAAATATAAAATTTAAAA 51131
|||||

QY 443 CTCACA 448
|||||
Db 51130 TTAATAA 51125
|||||

RESULT 10
US-09-949-016-12722/c
; Sequence 12722, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12722
; LENGTH: 27630
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12722

Query Match 5.2%; Score 103.4; DB 4; Length 27630;
Best Local Similarity 73.6%; Pred. No. 4.2e-17;
Matches 145; Conservative 0; Mismatches 51; Indels 1; Gaps 1;

QY 249 AACATPAGCGAGATAAAAAATTTAAATAGCCAGATGTGTAGCCCTGTAGTCTCA 308
|||||
Db 9961 ACCATCTCTCAAAAAACAGTCTTTTAAATAGTCAGGTGTGATGCACGCTGTAGTCTCA 9902
|||||

QY 309 GCGACTCAGGAGGCTGAGGAGGCTCACCAGATGC-AGAGTTCAAGATGCAGTGA 367
|||||
Db 9901 GCTACTCAGGGGGCTGAGGTGAGAGGATCGTTAAGCCCAAGAGTTCAAGGCTCAGTGA 9842
|||||

QY 368 GCTATGATCTGCCACTGCACCTGAAAGCTGGTGCAGAGCAAGACCTGGCTCTTAATAA 427
|||||
Db 9841 GCTATGATCATGCCACTGCACCTCCAGCTCCAGCTGGTGCAGACAGACCTGTCTCAATAA 9782
|||||

QY 428 ATGAATACATAAAGTCT 444
|||||
Db 9781 TGAAAAACATAATATTT 9765
|||||

RESULT 11
US-09-949-016-32131/c
; Sequence 32131, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012


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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32131
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-32131

Query Match
Best Local Similarity 5.1%; Score 101; DB 4; Length 601;
Matches 122; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 263 AAAAATTTAAATTTAGCCAGATGTTAGCCCTGTAGTCTCAGGACTCAGGAGGC 322
Db 157 AAAATTTTAAAAAATTTAGCCAGGATGTTAGCCCTGTAGTCTCAGGAGGC 98

QY 323 TGAGGAGGAGGCTCACCAGAGTGCAGAGTTCAGAGGATGCAGTATGATCTGCGCA 382
Db 97 TGAGGAGTATGATCACTTGAGCCAGGAGTTCAGGCTGCAGTATGATCTGCGCA 38

QY 383 CTGCACTGAAGCTGGGTGACAGAGCAAGACCTGGC 419
Db 37 CTGCACTGAAGCTGGGTGACAGAGCAAGACCTGGC 1

RESULT 12
US-09-949-016-162087/c
; Sequence 162087, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162087
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-162087

Query Match
Best Local Similarity 5.1%; Score 101; DB 4; Length 601;
Matches 122; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 263 AAAAATTTAAATTTAGCCAGATGTTAGCCCTGTAGTCTCAGGACTCAGGAGGC 322
Db 157 AAAATTTTAAAAAATTTAGCCAGGATGTTAGCCCTGTAGTCTCAGGAGGC 98

QY 323 TGAGGAGGAGGCTCACCAGAGTGCAGAGTTCAGAGGATGCAGTATGATCTGCGCA 382
Db 97 TGAGGAGTATGATCACTTGAGCCAGGAGTTCAGGCTGCAGTATGATCTGCGCA 38

QY 383 CTGCACTGAAGCTGGGTGACAGAGCAAGACCTGGC 419
Db 37 CTGCACTGAAGCTGGGTGACAGAGCAAGACCTGGC 1

RESULT 13
US-09-949-016-17369/c
; Sequence 17369, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17369
; LENGTH: 61178
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17369

Query Match
Best Local Similarity 5.0%; Score 99.2; DB 4; Length 61178;
Matches 144; Conservative 0; Mismatches 38; Indels 2; Gaps 2;

QY 260 ATAAAAATTTAAATTTAGCCAGATGTTAGCCCTGTAGTCTCAGGACTCAGG 318
Db 50827 ATAAAAAATACAAAAATTTAGCCAGGTTGTTGTCACCTATATAGTCTCAGG 50768

QY 319 AGGCTGAGGAGGAGGCTCACCAGAGTGCAGAGTTCAGAGGATGCAGTATGATCC 377
Db 50767 AGGCTGAGTGGAGGATCACTTGAGCCAGGAGTTTTCAGGCTGCAGTGAGCCACAGTTG 50708

QY 378 TGCCACTGCATGAAAGCTGGGTGACAGAGCAAGACCTGGCTCTTAATAATGATACAT 437
Db 50707 CACCACCTGCATCCAGCTGGGTGACAGAGCAAGACCTGGCTCTCAATAATAAAGTAAT 50648

QY 438 AAAG 441
Db 50647 AAAG 50644

RESULT 14
US-09-949-016-13869/c
; Sequence 13869, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13869
; LENGTH: 14241
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13869

Query Match
Best Local Similarity 5.0%; Score 99; DB 4; Length 14241;
Matches 153; Conservative 0; Mismatches 50; Indels 4; Gaps 2;

QY 249 AACATAGCGAGATAAAAAATTTAAATTTAGCCAGATGTTGTTAGGAGCC---CCTGTAGTC 305
Db 3121 AAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAA 3062

QY 306 TCAGCGACTCAGGAGGCTGAGGAGGCTCACCAGAGTGCA-GAGTTCAAGGATGCGAG 364
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Db      3061  CCAGTATGCAGAGGCTGAGGAGGAGGAGGCTTTGAGCCGAGGAAGTCGAGGCTGCAG 3002
QY      365   TGAGTATGATCTCCCACTGCACCTGAAAGCTGGGTGACAGAGCAAGACCCCTGGCTCTAA 424
Db      3001  TGAGCCGTGATCATGCCACTGCACCTCCAGCCTGGGTGACAGAGCAAGACTCTGCCATAAA 2942
QY      425   TAAATGAATACATAAAGTCTCACAGCT 451
Db      2941  TAAATAAATAAATAAATGCTGCGAGCT 2915
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RESULT 15
US-09-949-016-16153
; Sequence 16153, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16153
; LENGTH: 24070
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16153
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Query Match      4.9%; Score 98.8; DB 4; Length 24070;
Best Local Similarity 77.0%; Pred. No. 6.9e-16;
Matches 134; Conservative 0; Mismatches 37; Indels 3; Gaps 1;

QY      262  AAAAAATTATTAAATTAGCCAGATGTGTTAGCCC---CCTGTAGTCTCAGCGACTCAGG 318
Db      6435  AAATATAAATAAATTAGCTAGGTGTGGCGATGCCAGTGTCCAGCTACTCAGG 6494

QY      319  AGGCTGAGGCGAGGAGGCTCACAGAGTCAGAGTTCAAGGATGCGAGTGAGCTATGATCCT 378
Db      6495  AGGCTGAGGCGAGGAGGATCGCTGGAAACCAGGAGTTGAAGGCTGCAGTGAGCCATGATCGT 6554

QY      379  GCCACTGCACCTGAAGCTGGGTGACAGAGCAAGACCCCTGGCTCTAATAAATGAA 432
Db      6555  GCTACTGCACCTCCAGCCTGGGTGACAGAGCAAGACTCTGTCTCAAAAAAAGAA 6608
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Job time : 335.226 secs

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OM nucleic - nucleic search, using sw model

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(without alignments)
11213.536 Million cell updates/sec

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Perfect score: 2000
Sequence: 1 tctccaagtcctcaggtgccc.....agctgagtcgagtgcca 2000

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues
Total number of hits satisfying chosen parameters: 14632570

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:
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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:
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9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:
16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:
17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:
18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq:
19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq:
20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq:
21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq:
22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq:
24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:
25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score-distribution.

SUMMARIES

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5	1902.2	95.1	1938	17	US-10-027-632-98170
6	597.6	29.9	598	13	US-10-027-632-41182
7	597.6	29.9	598	17	US-10-027-632-41182

c 8	563	28.1	563	9	US-09-864-761-9542	Sequence 9542, Ap
c 9	554	27.7	554	9	US-09-864-761-9446	Sequence 9446, Ap
c 10	458.4	22.9	1904	17	US-10-094-749-1376	Sequence 1376, Ap
c 11	383.2	19.2	508	16	US-10-029-386-6681	Sequence 6681, Ap
c 12	139	7.0	139	9	US-09-864-761-25935	Sequence 25935, A
c 13	138.4	6.9	556	16	US-10-029-386-20399	Sequence 20399, A
c 14	108.2	5.4	51289	19	US-10-322-281-648	Sequence 648, App
c 15	103.2	5.2	88191	9	US-09-799-799-3	Sequence 3, Appli
c 16	102.2	5.1	1906	13	US-10-027-632-97426	Sequence 97426, A
c 17	102.2	5.1	1906	17	US-10-027-632-97426	Sequence 97426, A
c 18	102	5.1	304505	18	US-10-271-416-1	Sequence 1, Appli
c 19	101.8	5.1	75007	21	US-10-741-600-17556	Sequence 17556, A
c 20	101.4	5.1	75007	19	US-10-741-601-5612	Sequence 5612, Ap
c 21	101	5.1	18476	22	US-10-737-082-109	Sequence 109, App
c 22	101	5.1	18476	22	US-10-765-790-109	Sequence 109, App
c 23	99.8	5.0	474	13	US-10-027-632-56725	Sequence 56725, A
c 24	99.8	5.0	474	13	US-10-027-632-312323	Sequence 312323, A
c 25	99.8	5.0	474	17	US-10-027-632-56725	Sequence 56725, A
c 26	99.8	5.0	474	17	US-10-027-632-312323	Sequence 312323, A
c 27	99.8	5.0	867	13	US-10-027-632-3763	Sequence 3763, Ap
c 28	99.8	5.0	867	17	US-10-027-632-3763	Sequence 3763, Ap
c 29	99	5.0	125534	13	US-10-087-192-1678	Sequence 1678, Ap
c 30	98.2	4.9	333811	21	US-10-741-600-17681	Sequence 17681, A
c 31	97.8	4.9	148935	21	US-10-741-600-17708	Sequence 17708, A
c 32	97.4	4.9	602	10	US-09-764-891-9533	Sequence 9533, Ap
c 33	97.4	4.9	53000	10	US-09-953-611-10	Sequence 10, Appl
c 34	97.4	4.9	95960	13	US-10-087-192-1384	Sequence 1384, Ap
c 35	97.4	4.9	95960	13	US-10-087-192-1390	Sequence 1390, Ap
c 36	97.2	4.9	12198	20	US-10-719-993-6941	Sequence 6941, Ap
c 37	97.2	4.9	12198	21	US-10-741-600-17863	Sequence 17863, A
c 38	97.2	4.9	32190	9	US-09-764-869-2209	Sequence 2209, Ap
c 39	97.2	4.9	32190	14	US-10-091-504-2209	Sequence 2209, Ap
c 40	97.2	4.9	32190	17	US-10-227-577-2209	Sequence 2209, Ap
c 41	97.2	4.9	53779	22	US-10-737-082-85	Sequence 85, Appl
c 42	97.2	4.9	53779	22	US-10-765-790-85	Sequence 85, Appl
c 43	97	4.9	235070	13	US-10-087-192-1990	Sequence 1990, Ap
c 44	96.8	4.8	572	13	US-10-027-632-203457	Sequence 203457, A
c 45	96.8	4.8	572	13	US-10-027-632-203458	Sequence 203458, A

ALIGNMENTS

RESULT 1

US-09-820-095-3
; Sequence 3, Application US/09820095
; Publication NO. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CLO01202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16449
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-3

Query Match	100.0%	Score	2000	DB	10	Length	16449
Best Local Similarity	100.0%	Pred. No.	0	Mismatches	0	Indels	0
Matches	2000	Conservative	0	0	0	Gaps	0
QY	1	1	1	1	1	1	1
Db	1	1	1	1	1	1	1
QY	61	1	1	1	1	1	1

Db 61 TATAGCCACTGCTCCTCCCTGCGCTGCATCACTACCTGGCCTATTTTTCCTCTAG 120
Qy 121 AAGCACTGCTTCTATGCTCTCTTATGACCACTGCGGCATATGACAGATAAGAACATCGA 180
Db 121 AAGCACTGCTTCTATGCTCTCTTATGACCACTGCGGCATATGACAGATAAGAACATCGA 180
Qy 181 GGTAAAGGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 240
Db 181 GGTAAAGGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 240
Qy 241 ACCTGGGCAACATAGCGAGATAAAAAATTATTTAAATTAGCCAGATGTGGTACCCCTG 300
Db 241 ACCTGGGCAACATAGCGAGATAAAAAATTATTTAAATTAGCCAGATGTGGTACCCCTG 300
Qy 301 TAGTCTCAGCGACTCAGAGGCTAGGCGAGAGGCTCACAGAGTCAGAGTTCAAGGAT 360
Db 301 TAGTCTCAGCGACTCAGAGGCTAGGCGAGAGGCTCACAGAGTCAGAGTTCAAGGAT 360
Qy 361 GCAGTGAGCTATGATCTCTGCCACTGCACTGGAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Db 361 GCAGTGAGCTATGATCTCTGCCACTGCACTGGAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Qy 421 CTAAATAATGAATACATAAAGTCTACAGCTAGTGTAGCTAATCTCTGCGAGAGTCAGGC 480
Db 421 CTAAATAATGAATACATAAAGTCTACAGCTAGTGTAGCTAATCTCTGCGAGAGTCAGGC 480
Qy 481 CTCTACTGCTGATGACAAATGGCACTATGTCTTTTAACTGATTCAGACCAAAA 540
Db 481 CTCTACTGCTGATGACAAATGGCACTATGTCTTTTAACTGATTCAGACCAAAA 540
Qy 541 TGTTTTGTGAAATATTTTCCCGAGGAAACCGGAGTAGTCTTAAATCTATACATCC 600
Db 541 TGTTTTGTGAAATATTTTCCCGAGGAAACCGGAGTAGTCTTAAATCTATACATCC 600
Qy 601 ATTATATTAGTTTACTGTGAGTGGGAAACCCAGCTCTGATTGCAATTCAGGCGGG 660
Db 601 ATTATATTAGTTTACTGTGAGTGGGAAACCCAGCTCTGATTGCAATTCAGGCGGG 660
Qy 661 ACAGCCTTTGGTGCACTGTGCGGGATTTTCCATTTTAACTCTCTAGAGCGCT 720
Db 661 ACAGCCTTTGGTGCACTGTGCGGGATTTTCCATTTTAACTCTCTAGAGCGCT 720
Qy 721 TCTCATGTTAAAGTCTCTGATGCGGAGAGGCGCGAGAGAGGCGGCTGGAGA 780
Db 721 TCTCATGTTAAAGTCTCTGATGCGGAGAGGCGCGAGAGAGGCGGCTGGAGA 780
Qy 781 CGCCCCGAGAGGCTACGTGCGCTCTGACAGAGGTCTCTGCTCTCTCGCGCGCGC 840
Db 781 CGCCCCGAGAGGCTACGTGCGCTCTGACAGAGGTCTCTGCTCTCTCGCGCGCGC 840
Qy 841 AGCCCACTCCCAACACCTCGGAGAGAGCCCCCAAGGGAGGAGACGGGCTGGCCC 900
Db 841 AGCCCACTCCCAACACCTCGGAGAGAGCCCCCAAGGGAGGAGACGGGCTGGCCC 900
Qy 901 CTGCCCCGAGACCTTCCGTCTCTAGGTCGGAGTCTGAATCGGCTTGGGACCTGCTTG 960
Db 901 CTGCCCCGAGACCTTCCGTCTCTAGGTCGGAGTCTGAATCGGCTTGGGACCTGCTTG 960
Qy 961 GCTTTCGGGACCCCTGCAAGAGCTGCACAGGCGCGCTCGCTCTCTCTCTCTTTT 1020
Db 961 GCTTTCGGGACCCCTGCAAGAGCTGCACAGGCGCGCTCGCTCTCTCTCTCTTTT 1020
Qy 1021 TCTTCCCAAGACTCTGGCAGGAACCGCTCATCGTTTACGCCCTTTTCGAGGCTCAGACC 1080
Db 1021 TCTTCCCAAGACTCTGGCAGGAACCGCTCATCGTTTACGCCCTTTTCGAGGCTCAGACC 1080
Qy 1081 CTGAGGCGGAGACCGCTTGGCGCTCACTTAGGCGGACCGCGGATGTGGCGGAGTC 1140
Db 1081 CTGAGGCGGAGACCGCTTGGCGCTCACTTAGGCGGACCGCGGATGTGGCGGAGTC 1140
Qy 1141 TGGGCTGGCGCTGACCAATCGAGTGTGGGCTCCTAGCTGGCGTCTGCGACGGCAATTA 1200
Db 1141 TGGGCTGGCGCTGACCAATCGAGTGTGGGCTCCTAGCTGGCGTCTGCGACGGCAATTA 1200

Qy 1201 GCGACGCGCTCCCTCCCGCGGCTGCGCCCGCGCAACCCAGTGTGTAGGTTGCGGTAGAAA 1260
Db 1201 GCGACGCGCTCCCTCCCGCGGCTGCGCCCGCGCAACCCAGTGTGTAGGTTGCGGTAGAAA 1260
Qy 1261 CGGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAAATGACGCGCCACGGGC 1320
Db 1261 CGGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAAATGACGCGCCACGGGC 1320
Qy 1321 TATGCACTGGGCTGGGCGCTTGTGGGCATCTCTCCCTGCTTCTTAGGGGGTTCCAGCAT 1380
Db 1321 TATGCACTGGGCTGGGCGCTTGTGGGCATCTCTCCCTGCTTCTTAGGGGGTTCCAGCAT 1380
Qy 1381 GCGCCCCCTTCTGCTGGAACAGCGCTGATCCAGAGACTTGTGTCTCTCATCTG 1440
Db 1381 GCGCCCCCTTCTGCTGGAACAGCGCTGATCCAGAGACTTGTGTCTCTCATCTG 1440
Qy 1441 CACTGGGGAAGGTGGCGGGGCGAGCTTTTTCAGGAGGCGCTGGGAACTTCGACAGCCAG 1500
Db 1441 CACTGGGGAAGGTGGCGGGGCGAGCTTTTTCAGGAGGCGCTGGGAACTTCGACAGCCAG 1500
Qy 1501 GTCACTCTCTCACTCTGTGCTCTTGTAGTTATCTTTCATGCTCTGCTGTTTGCATACGCTG 1560
Db 1501 GTCACTCTCTCACTCTGTGCTCTTGTAGTTATCTTTCATGCTCTGCTGTTTGCATACGCTG 1560
Qy 1561 CTCTCTGCAACAGGAACTTCCATCCCATCTTTTGTCTGCTTGTGCAACTTCAGAAATCTG 1620
Db 1561 CTCTCTGCAACAGGAACTTCCATCCCATCTTTTGTCTGCTTGTGCAACTTCAGAAATCTG 1620
Qy 1621 CAAGGGTCAGCTTAGAGGTCACTTCTCCGGAAGTTCCTCAACACCTCCCGCCCTG 1680
Db 1621 CAAGGGTCAGCTTAGAGGTCACTTCTCCGGAAGTTCCTCAACACCTCCCGCCCTG 1680
Qy 1681 CTGCTGCTGCTCTCAGGCGCTCTCTCACAGCACTGATAACAGCTGTCCGCTCCACCCCT 1740
Db 1681 CTGCTGCTGCTCTCAGGCGCTCTCTCACAGCACTGATAACAGCTGTCCGCTCCACCCCT 1740
Qy 1741 CCCACACCTTCACTCTCCACCCAGGAAAGTGAAGGCGCAGAGGCGAGGAGCTGTGTC 1800
Db 1741 CCCACACCTTCACTCTCCACCCAGGAAAGTGAAGGCGCAGAGGCGAGGAGCTGTGTC 1800
Qy 1801 TGTTCTCTGTGTCGCGGCGCCAGCAAGGAAATGTAGGGAGGTGGGAGGTGCAGGGCA 1860
Db 1801 TGTTCTCTGTGTCGCGGCGCCAGCAAGGAAATGTAGGGAGGTGGGAGGTGCAGGGCA 1860
Qy 1861 GCTGGATTAGGGGTTGAGGGCTGGATCTGGAGGCTGGATCTGCTTTAGTGG 1920
Db 1861 GCTGGATTAGGGGTTGAGGGCTGGATCTGGAGGCTGGATCTGCTTTAGTGG 1920
Qy 1921 AAGTCTCCTTTAAACAGCACTGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 1980
Db 1921 AAGTCTCCTTTAAACAGCACTGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 1980
Qy 1981 AGCTGCGGCTGAGCTGCCA 2000
Db 1981 AGCTGCGGCTGAGCTGCCA 2000

RESULT 2

US-10-027-632-98169
; Sequence 98169, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20

;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 98169
;; LENGTH: 1938
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-98169

Query Match 95.1%; Score 1902.2; DB 13; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCTCCAGTCCATGGGTGCTGCTAGGAGACAGGGGATGAATGTGAAACCCCTGCATGGC 60
DB 36 TCTCCAGTCCATGGGTGCTGCTAGGAGACAGGGGATGAATGTGAAACCCCTGCATGGC 95
QY 61 TATAGCCACCTGCTCTCCCTCCCTGCTGATCACTACCTGCGCTATTTTTCCTCTAG 120
DB 96 TATAGCCACCTGCTCTCCCTCCCTGCTGATCACTACCTGCGCTATTTTTCCTCTAG 155
QY 121 AAGCACTGCTCTGCTGCTTATGAGACCACTGCGCGCATATGACAGATAAGAAATCGA 180
DB 156 AAGCACTGCTCTGCTGCTTATGAGACCACTGCGCGCATATGACAGATAAGAAATCGA 215
QY 181 GGTAGAGCAACCAATCTTTTCTTAAAGTATACAGCTGTCAAAAGAGCTGGACA 240
DB 216 GGTAGAGCAACCAATCTTTTCTTAAAGTATACAGCTGTCAAAAGAGCTGGACA 275
QY 241 ACCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTGTAGCCCTG 300
DB 276 ACCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTGTAGCCCTG 335
QY 301 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGCTCACCAGAGTGCAGAGTTCAGAGAT 360
DB 336 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGCTCACCAGAGTGCAGAGTTCAGAGAT 395
QY 361 GCAGTGAAGTATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 396 GCAGTGAAGTATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 455
QY 421 CTAAATAAGTAAATACATAAAGTCTCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480
DB 456 CTAAATAAGTAAATACATAAAGTCTCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 515
QY 481 CTCTACCTGTGTGATGACAAATGGCACTATGCTTTTAACTGTATGCTGATGCTGATGCTG 540
DB 516 CTCTACCTGTGTGATGACAAATGGCACTATGCTTTTAACTGTATGCTGATGCTGATGCTG 575
QY 541 TGTGTTGTGATATTTTCCAGGAGAAACCGGAAGTGTCTTAAATTTCTATATATCC 600
DB 576 TGTGTTGTGATATTTTCCAGGAGAAACCGGAAGTGTCTTAAATTTCTATATATCC 635
QY 601 ATTATATTAGTTTACCTGTGATTTGGGAAACCCAGCTCTGATTTGATTTTTCAGGGCGG 660
DB 636 ATTATATTAGTTTACCTGTGATTTGGGAAACCCAGCTCTGATTTGATTTTTCAGGGCGG 695
QY 661 ACAGCCCTTTGGTGCATGCTGCTGCGGGATTTTCCATTTTAACTCTTCTAGAAAGGCTCT 720
DB 696 ACAGCCCTTTGGTGCATGCTGCTGCGGGATTTTCCATTTTAACTCTTCTAGAAAGGCTCT 755
QY 721 TCTCATGTTAAAGTTCTCATGTCGCGCAAGAGCGCGGAGAGAGGAGGAGGAGGAGGAGG 780
DB 756 TCTCATGTTAAAGTTCTCATGTCGCGCAAGAGCGCGGAGAGAGGAGGAGGAGGAGGAGG 815

QY 781 CGCCCGCAGAGGGCTACGTCCTGCTGGAAGAGGCTCTCTGCTCTCTCTCTCTCTCTCTCTCT 840
DB 816 CGCCCGCAGAGGGCTACGTCCTGCTGGAAGAGGCTCTCTGCTCTCTCTCTCTCTCTCTCTCT 875
QY 841 AGCCCACTCTCCCAAAACCCCTGCGGAGAAAGCCCCCAAGGGGAGAGAGAGGCGCTGCGCC 900
DB 876 AGCCCACTCTCCCAAAACCCCTGCGGAGAAAGCCCCCAAGGGGAGAGAGAGGCGCTGCGCC 935
QY 901 CTGCGCCGAGAGCACTTCCCTCTCTAGGTCGAGTCTGAATCGGCTTGGGAGGAGGAGGAGG 960
DB 936 CTGCGCCGAGAGCACTTCCCTCTCTAGGTCGAGTCTGAATCGGCTTGGGAGGAGGAGGAGG 995
QY 961 GCTTCGCGGAGACCCCTGCAAGAGAGTCCACAGGGCGCGCTGCTCTCTCTCTCTCTCTCTCT 1020
DB 996 GCTTCGCGGAGACCCCTGCAAGAGAGTCCACAGGGCGCGCTGCTCTCTCTCTCTCTCTCTCT 1055
QY 1021 TCTTCCTCCAGAGCTCTGCGAGAGAACCGCTCATGCTTACGCTCTGCGCCCTTTTCGAGGCTCAGAGC 1080
DB 1056 TCTTCCTCCAGAGCTCTGCGAGAGAACCGCTCATGCTTACGCTCTGCGCCCTTTTCGAGGCTCAGAGC 1115
QY 1081 CTGAGCGGAGAGCCGCTTGGCGCCCTCACTTAGAGCGCGACCCGCGGATGTGGGCGGAGTC 1140
DB 1116 CTGAGCGGAGAGCCGCTTGGCGCCCTCACTTAGAGCGCGACCCGCGGATGTGGGCGGAGTC 1175
QY 1141 TGCGGCTGCGCTGACCAATCGAGTGTGGCTCATCGACTGCGCTCTGCGACCGCAATTA 1200
DB 1176 TGCGGCTGCGCTGACCAATCGAGTGTGGCTCATCGACTGCGCTCTGCGACCGCAATTA 1235
QY 1201 GCGAGCGCTTCCCGCGCGCGCTGCGCCCGCAACCAAGTGTGTAGTGTGCGGTAGAGAA 1260
DB 1236 GCGAGCGCTTCCCGCGCGCGCTGCGCCCGCAACCAAGTGTGTAGTGTGCGGTAGAGAA 1295
QY 1261 CCGTGGCTCTCTGCGCTGAGGCTCTGCGCTGAGAGGATAACTGCAACCGCGCACCGGC 1320
DB 1296 CCGTGGCTCTCTGCGCTGAGGCTCTGCGCTGAGAGGATAACTGCAACCGCGCACCGGC 1355
QY 1321 TATGCACTGGGCTGCGCGCTTGTGGGATCTCTCTGCTTCTCTAGGGGTTTCCAGCAT 1380
DB 1356 TATGCACTGGGCTGCGCGCTTGTGGGATCTCTCTGCTTCTCTAGGGGTTTCCAGCAT 1415
QY 1381 CGCCCGCTTCTGCTGGAATGGAACAACGCTGACTTCCAGGACTTGTGTGTCTCACTG 1440
DB 1416 CGCCCGCTTCTGCTGGAATGGAACAACGCTGACTTCCAGGACTTGTGTGTCTCACTG 1475
QY 1441 CACTGGGAGAGTGGCGGGGCGAGCTTTTTCAGAGGGCTTGGGAGTTCGAGAGGCGAG 1500
DB 1476 CACTGGGAGAGTGGCGGGGCGAGCTTTTTCAGAGGGCTTGGGAGTTCGAGAGGCGAG 1535
QY 1501 GTCACTCTCTCACTCTGTCCTCTTAGTTATCTGTCATGCTCTGCTCTTGTGATACGCTG 1560
DB 1536 GTCACTCTCTCACTCTGTCCTCTTAGTTATCTGTCATGCTCTGCTCTTGTGATACGCTG 1595
QY 1561 CTCTCTGCAACAGAACTTCAATCCCATCTTGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
DB 1596 CTCTCTGCAACAGAACTTCAATCCCATCTTGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1655
QY 1621 CAAAGGTGAGTGTAGAGTCACTTCTTGGGAGTCTTCTCAACACCTCTCCCGCCCTG 1680
DB 1656 CAAAGGTGAGTGTAGAGTCACTTCTTGGGAGTCTTCTCAACACCTCTCCCGCCCTG 1715
QY 1681 GTGCTGTGCTCAGGCGCTCTCTCTCAAGCACTGATAAAGCTGTGCTCTTCCACCTCT 1740
DB 1716 GTGCTGTGCTCAGGCGCTCTCTCTCAAGCACTGATAAAGCTGTGCTCTTCCACCTCT 1775
QY 1741 CCCACCACTCTCACTCCCAACCCAGAGAGTGAAGGCGCAGAGGCGAGAGGAGAGGAGTGTG 1800
DB 1776 CCCACCACTCTCACTCCCAACCCAGAGAGTGAAGGCGCAGAGGCGAGAGGAGAGGAGTGTG 1835
QY 1801 TGTGCTGTGTGCGAGGCGCGAGCAAGGGAGTGTAGGGAGGCTGGAGGAGTGTGAGGCA 1860
DB 1836 TGTGCTGTGTGCGAGGCGCGAGCAAGGGAGTGTAGGGAGGCTGGAGGAGTGTGAGGCA 1895

QY 1561 CTCCTGACACAGAACTCCATCCCACTTTGTCGTGTCGAACTTCAGAAATCTG 1620
Db 1596 CTCCTGACACAGAACTCCATCCCACTTTGTCGTGTCGAACTTCAGAAATCTG 1655
QY 1621 CAAGGTCAGCTAGAGTCACTTCTCCGAGAGTTCCTCAACCCCTCCCGCCCTG 1680
Db 1656 CAAGGTCAGCTAGAGTCACTTCTCCGAGAGTTCCTCAACCCCTCCCGCCCTG 1715
QY 1681 CTCCTGCTCCCTCAGGCCCTCTCTCAAGCACTGATTAACAGCTGTCCGCTCCACCCCT 1740
Db 1716 CTCCTGCTCCCTCAGGCCCTCTCTCAAGCACTGATTAACAGCTGTCCGCTCCACCCCT 1775
QY 1741 CCCACACCTCCACTCCACCCAGGAAGTGAGGCCAGAGGCGAGGACAGAGCTCTCTC 1800
Db 1776 CCCACACCTCCACTCCACCCAGGAAGTGAGGCCAGAGGCGAGGACAGAGCTCTCTC 1835
QY 1801 TGTCTCTGTGTCAGGCGCCAGCAAGAGGATGTAGGAGGCTGGAGGTCAGGGCA 1860
Db 1836 TGTCTCTGTGTCAGGCGCCAGCAAGAGGATGTAGGAGGCTGGAGGTCAGGGCA 1895
QY 1861 GCTGGGATAGGGGTTGAGGGCTGGGTGTTGGAGGCTGGATCT 1903
Db 1896 GCTGGGATAGGGGTTGAGGGCTGGGTGTTGGAGGCTGGATCT 1938

RESULT 4

US-10-027-632-98169
; Sequence 98169, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 98169
; LENGTH: 1938
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-98169

Query Match 95.1%; Score 1902.2; DB 17; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCTCCAGTCCATGGGTGCTGTAGGACAGGGGGATGAATGTCAACCCCTGCATGGC 60
Db 36 TCTCCAGTCCATGGGTGCTGTAGGACAGGGGGATGAATGTCAACCCCTGCATGGC 95
QY 61 TATAGCCACCTGCTCTCTCCCTGCTGCATCACTACCTGGCTATTTTGGCTCTCTAG 120
Db 96 TATAGCCACCTGCTCTCTCCCTGCTGCATCACTACCTGGCTATTTTGGCTCTCTAG 155
QY 121 AAGCACTGCTTCTATGCTCTTATAGGACCACTGCCCGCATATGACAGATAAGAAATCGA 180
Db 156 AAGCACTGCTTCTATGCTCTTATAGGACCACTGCCCGCATATGACAGATAAGAAATCGA 215

QY 181 GGCTAAGGCAACGCAAACTCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGACCA 240
Db 216 GGCTAAGGCAACGCAAACTCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGACCA 275
QY 241 ACCTGGGCAACATAGGAGAGATAAAATTTAAATTTAGCCAGATGTGGTGCCTCCCTG 300
Db 276 ACCTGGGCAACATAGGAGAGATAAAATTTAAATTTAGCCAGATGTGGTGCCTCCCTG 335
QY 301 TAGTCTCAGCGACTCAGGAGGCTGAGGCAAGGCTCACCAGAGTCAGAGTTCAAGGAT 360
Db 336 TAGTCTCAGCGACTCAGGAGGCTGAGGCAAGGCTCACCAGAGTCAGAGTTCAAGGAT 395
QY 361 GCAGTGTAGCTATGATCCTGCCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Db 396 GCAGTGTAGCTATGATCCTGCCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 455
QY 421 CTAATAAATGAATACATAAAGTCTCAAGCTAGTGTAGCTAATCTCTGCCAGAGTCAGGC 480
Db 456 CTAATAAATGAATACATAAAGTCTCAAGCTAGTGTAGCTAATCTCTGCCAGAGTCAGGC 515
QY 481 CTCTACCTCTCTGATGACAAATGGCACATATGCTTTTAACTGATTCAGAGCACACAAA 540
Db 516 CTCTACCTCTCTGATGACAAATGGCACATATGCTTTTAACTGATTCAGAGCACACAAA 575
QY 541 TGTCTTGTGAATATTTTCCCGAGGAAAGAAACCGGAAGTAGTTCTTAAATTTCTATACATCC 600
Db 576 TGTCTTGTGAATATTTTCCCGAGGAAAGAAACCGGAAGTAGTTCTTAAATTTCTATACATCC 635
QY 601 ATTATATTAGTTTACCTGTGATTTGGGAAACCCAGCTCTGATTCGATTCAGGCGGG 660
Db 636 ATTATATTAGTTTACCTGTGATTTGGGAAACCCAGCTCTGATTCGATTCAGGCGGG 695
QY 661 ACAGCTTTTGGTGCATCTGTGCGGAGATTTTCCATTTTAACTCTCTAGAGCGCT 720
Db 696 ACAGCTTTTGGTGCATCTGTGCGGAGATTTTCCATTTTAACTCTCTAGAGCGCT 755
QY 721 TCTCATGTGTAAGATTTCTGATGCGCGAGAGCGCGAGAGAGGAGGAGGAGGAGGAGGAG 780
Db 756 TCTCATGTGTAAGATTTCTGATGCGCGAGAGCGCGAGAGAGGAGGAGGAGGAGGAGGAG 815
QY 781 CGCCCGCAGAGGCTTACCTGCTGCTGCGAGAGGTTCTCTGCTCTCTCTGCGCGCGCC 840
Db 816 CGCCCGCAGAGGCTTACCTGCTGCTGCGAGAGGTTCTCTGCTCTCTCTGCGCGCGCC 875
QY 841 AGCCCACTCTCCACACCTCTGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 900
Db 876 AGCCCACTCTCCACACCTCTGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 935
QY 901 CTGCGCCGAGGACCTTCTGCTCTTAGTGTGAGTCTGAAATCGGCTTTGGAGCCTGCTTG 960
Db 936 CTGCGCCGAGGACCTTCTGCTCTTAGTGTGAGTCTGAAATCGGCTTTGGAGCCTGCTTG 995
QY 961 GCTTCGGGAGCCCTGCAAGAGCTCCAGAGGCGCGCTCTCTCTCTCTCTCTCTCTCTCT 1020
Db 996 GCTTCGGGAGCCCTGCAAGAGCTCCAGAGGCGCGCTCTCTCTCTCTCTCTCTCTCTCT 1055
QY 1021 TCTTCCCGAGACTCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1080
Db 1056 TCTTCCCGAGACTCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1115
QY 1081 CTGAGGCGGAGAGCGCTTGGCGCTTCACTTTAGAGCGGAGGAGGAGGAGGAGGAGGAGG 1140
Db 1116 CTGAGGCGGAGAGCGCTTGGCGCTTCACTTTAGAGCGGAGGAGGAGGAGGAGGAGGAGG 1175
QY 1141 TCGCGTGTGCTGACCAATTCAGAGTGTGGCTCCATCGACTGGCGTCTGCCACAGGCAATTA 1200
Db 1176 TCGCGTGTGCTGACCAATTCAGAGTGTGGCTCCATCGACTGGCGTCTGCCACAGGCAATTA 1235
QY 1201 GCGAGCGCTCTCCCGCGGCGGTGCGCCCGGCAACCCAGTGTGTAGGTGTGCGGTAGAAA 1260
Db 1236 GCGAGCGCTCTCCCGCGGCGGTGCGCCCGGCAACCCAGTGTGTAGGTGTGCGGTAGAAA 1295

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QY 1261 CCGTGGCTCTCTCGCTGAGGCTCTCGCTGAGAGGATAAACTGACGCGCCACGGGC 1320
Db 1296 CCGTGGCTCTCTCGCTGAGGCTCTCGCTGAGAGGATAAACTGACGCGCCACGGGC 1355
QY 1321 TATGCACTGGGCTGGGCGCTCTGCGCATCTCTCGCTGAGAGGATAAACTGAGGAGTTCAGCAT 1380
Db 1356 TATGCACTGGGCTGGGCGCTCTGCGCATCTCTCGCTGAGAGGATAAACTGAGGAGTTCAGCAT 1415
QY 1381 CGCCCCCTTTCTGCACTGGGAAACACGCTGACCTCCAGGACTTGTGTGCTCTCACTG 1440
Db 1416 CGCCCCCTTTCTGCACTGGGAAACACGCTGACCTCCAGGACTTGTGTGCTCTCACTG 1475
QY 1441 CACTGGGAGGTGGGCGGCGAGCTTTTCAGAGAGGCTGGGAACTTCGCAAGCCAG 1500
Db 1476 CACTGGGAGGTGGGCGGCGAGCTTTTCAGAGAGGCTGGGAACTTCGCAAGCCAG 1535
QY 1501 GTCAACCTCTCACTCTGTGCTCTTAGTTATCTTGATGCTCTGTGCTTTTGCATAGCTG 1560
Db 1536 GTCAACCTCTCACTCTGTGCTCTTAGTTATCTTGATGCTCTGTGCTTTTGCATAGCTG 1595
QY 1561 CTCCTGCAACGAACTCCATCCCATCTTTGTCTGCTTGTGCAACTTCAGAAATCTG 1620
Db 1596 CTCCTGCAACGAACTCCATCCCATCTTTGTCTGCTTGTGCAACTTCAGAAATCTG 1655
QY 1621 CAGGGCTGAGTGTAGAGGTCACTTCTCGGAGCTTCTCAACACCTCCCGCCCTG 1680
Db 1656 CAGGGCTGAGTGTAGAGGTCACTTCTCGGAGCTTCTCAACACCTCCCGCCCTG 1715
QY 1681 CTGCTGTGCTCAGGCTCTCTCTCACAGCACTGATAACAGCTCTGCTCTCCACCTT 1740
Db 1716 CTGCTGTGCTCAGGCTCTCTCTCACAGCACTGATAACAGCTCTGCTCTCCACCTT 1775
QY 1741 CCACCACTCTCACTCCACCCAGGAGTGGGCGAGAGGCGAGGAGCTGCTGC 1800
Db 1776 CCACCACTCTCACTCCACCCAGGAGTGGGCGAGAGGCGAGGAGCTGCTGC 1835
QY 1801 TGTCTCTGTGTCAGGCGCCAGCAAGGGATGTAGGGGGTGGAGGCTGCAGGCA 1860
Db 1836 TGTCTCTGTGTCAGGCGCCAGCAAGGGATGTAGGGGGTGGAGGCTGCAGGCA 1895
QY 1861 GCTGGGATAGGGGTTGAGGGCTGGGTGTTGGAGGCTGGATCT 1903
Db 1896 GCTGGGATAGGGGTTGAGGGCTGGGTGTTGGAGGCTGGATCT 1938
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RESULT 5

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US-10-027-632-98170
; Sequence 98170, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 98170
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; LENGTH: 1938
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-98170

Query Match          95.1%; Score 1902.2; DB 17; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCTCCAAGTCCATGGGTGCTGTAGGAGACAGAGGGGATGAATGTGAACCCCTGCAATGC 60
Db 36 TCTCCAAGTCCATGGGTGCTGTAGGAGACAGAGGGGATGAATGTGAACCCCTGCAATGC 95
QY 61 TATAGCACCTGCTGCTCTCCCTGCGCTGCACTACCTGCGCTATTTTTTGGCTCTTAG 120
Db 96 TATAGCACCTGCTGCTCTCCCTGCGCTGCACTACCTGCGCTATTTTTTGGCTCTTAG 155
QY 121 AAGCACTGCTCTTATGCTCTTAGGACCACTGCGCATATGACAGATAAAGAAATCGA 180
Db 156 AAGCACTGCTCTTATGCTCTTAGGACCACTGCGCATATGACAGATAAAGAAATCGA 215
QY 181 GGCTAAGGCAACGCAAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 240
Db 216 GGCTAAGGCAACGCAAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 275
QY 241 ACTGGGCAACATAGCGAGATAAAAAATTTTAAATTTAGCCAGATGTGGTAGCCCTCG 300
Db 276 ACTGGGCAACATAGCGAGATAAAAAATTTTAAATTTAGCCAGATGTGGTAGCCCTCG 335
QY 301 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGAGGCTCACAGAGTGCAGAGTTCAGAGAT 360
Db 336 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGAGGCTCACAGAGTGCAGAGTTCAGAGAT 395
QY 361 CGAGTGAGCTATGATCTCTGCCACTGCACCTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Db 396 CGAGTGAGCTATGATCTCTGCCACTGCACCTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 455
QY 421 CTAAATAATGAATACATAAAGTCTCAGCTAGTGTAGTCTTAATCTCTGCCAGAGTCAGC 480
Db 456 CTAAATAATGAATACATAAAGTCTCAGCTAGTGTAGTCTTAATCTCTGCCAGAGTCAGC 515
QY 481 CTCTACCTGCTGATGACAAATGGCACTATGTCTTTTAACTGATTCAGACACCAAAA 540
Db 516 CTCTACCTGCTGATGACAAATGGCACTATGTCTTTTAACTGATTCAGACACCAAAA 575
QY 541 TGTTTTGTGAATATTTTCCAGGGAAAAAACCGGAAGTAGTTCTAAATTTCTATACATCC 600
Db 576 TGTTTTGTGAATATTTTCCAGGGAAAAAACCGGAAGTAGTTCTAAATTTCTATACATCC 635
QY 601 ATTATATTAGTTTACCTGTGATTTGGGAAAAACCCAGCTCTGATTTGCATTTTCAGGCGGG 660
Db 636 ATTATATTAGTTTACCTGTGATTTGGGAAAAACCCAGCTCTGATTTGCATTTTCAGGCGGG 695
QY 661 ACAGCTTTGGTGCACTGCTGCGCGGATTTTCCATTTTAACTCTCTAGAGGCGCT 720
Db 696 ACAGCTTTGGTGCACTGCTGCGCGGATTTTCCATTTTAACTCTCTAGAGGCGCT 755
QY 721 TCTCATGTGTAAGTTCTGTATGCCGCGAGAGCGCGGAGAGGAGGAGGAGGAGGAGGAG 780
Db 756 TCTCATGTGTAAGTTCTGTATGCCGCGAGAGCGCGGAGAGGAGGAGGAGGAGGAGGAG 815
QY 781 CGCCCCGAGAGGCTGCTGCTGCTGAGAGGCTCTCTGCTCTCTCGGCGGCGCC 840
Db 816 CGCCCCGAGAGGCTGCTGCTGCTGAGAGGCTCTCTGCTCTCTCGGCGGCGCC 875
QY 841 AGCCCACTCTCCCAACACCTCTGCGGAGAGGCGCCCAAGGAGGAGGAGGAGGAGGAGG 900
Db 876 AGCCCACTCTCCCAACACCTCTGCGGAGAGGAGGCGCCCAAGGAGGAGGAGGAGGAGG 935
QY 901 CTGCCCCGAGCACTTCTCGTCTCTAGGTGCGAGTCTGAATCGGCTTGGGAGCCCTGCTTG 960
Db 936 CTGCCCCGAGCACTTCTCGTCTCTAGGTGCGAGTCTGAATCGGCTTGGGAGCCCTGCTTG 995
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Qy 961 GCTTCGGGAGCCCTGCAAGACGTCACAGCCCGCTGCGCTCTTCTCTCTGCTTTTA 1020
Db 996 GCTTCGGGAGCCCTGCAAGACGTCACAGCCCGCTGCGCTCTTCTCTCTGCTTTTA 1055
Qy 1021 TCCTCCCGACAGCTCTGCGAGGAAACCGCTCATGTTAGCGCCCTTTTCGAGCCTCAGACC 1080
Db 1056 TCCTCCCGACAGCTCTGCGAGGAAACCGCTCATGTTAGCGCCCTTTTCGAGCCTCAGACC 1115
Qy 1081 CTGAGGCGGAGACCGCTTGGCGCTCACTTAGAGCGGACCCGCGGATGTGGCGGAGTC 1140
Db 1116 CTGAGGCGGAGACCGCTTGGCGCTCACTTAGAGCGGACCCGCGGATGTGGCGGAGTC 1175
Qy 1141 TGGCGCTGCGTGACCAATAGAGTGTGGCGTCCATCGACTGGCGTTCGCCACGCGCAATTA 1200
Db 1176 TGGCGCTGCGTGACCAATAGAGTGTGGCGTCCATCGACTGGCGTTCGCCACGCGCAATTA 1235
Qy 1201 GCGAGCGGCTCCCGCGGCGGCTGCGCCCGGCAACCCAGTGTCTGTAGGTTGCCGTAGAAA 1260
Db 1236 GCGAGCGGCTCCCGCGGCGGCTGCGCCCGGCAACCCAGTGTCTGTAGGTTGCCGTAGAAA 1295
Qy 1261 CCGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAAACTGCACGCGCCACGCGC 1320
Db 1296 CCGTGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAAACTGCACGCGCCACGCGC 1355
Qy 1321 TATGCACTGGGCTGGGCGCCTTGTGGGCATCTCTCGCTTCTAGGGGGTTCCAGCAT 1380
Db 1356 TATGCACTGGGCTGGGCGCCTTGTGGGCATCTCTCGCTTCTAGGGGGTTCCAGCAT 1415
Qy 1381 CGCCCGCCTTGTGGGCTGGGAAACAGCGCTGACTCCAGGACTTGTGTGTCTCACTG 1440
Db 1416 CGCCCGCCTTGTGGGCTGGGAAACAGCGCTGACTCCAGGACTTGTGTGTCTCACTG 1475
Qy 1441 CACTGGGGAAGTGGCGGGGCGAGCTTTTCAGAGGGCCCTGGGGAACCTTCGAGAGCCAG 1500
Db 1476 CACTGGGGAAGTGGCGGGGCGAGCTTTTCAGAGGGCCCTGGGGAACCTTCGAGAGCCAG 1535
Qy 1501 GTCAACCTCTCACTCTGTGCTCTTAGTTATCTTGATGCTCTGTGCTTTTGGCATACGCTG 1560
Db 1536 GTCAACCTCTCACTCTGTGCTCTTAGTTATCTTGATGCTCTGTGCTTTTGGCATACGCTG 1595
Qy 1561 CTCCTGCAACAGGAACCTCATCCCATCTTTGTCTGTCTGTGCTGTGCTGCAAAATCTG 1620
Db 1596 CTCCTGCAACAGGAACCTCATCCCATCTTTGTCTGTCTGTGCTGTGCTGCAAAATCTG 1655
Qy 1621 CAAGGTCAGCTAGAGTCACTCTTCGGAAGCTTTCTCAACCCCTCCCGCCCTG 1680
Db 1656 CAAGGTCAGCTAGAGTCACTCTTCGGAAGCTTTCTCAACCCCTCCCGCCCTG 1715
Qy 1681 CTGCTGCTGCCCTCAGGCCCTCTCTCAAGCACTGATTAACAGCTGTCCCTCCACCTT 1740
Db 1716 CTGCTGCTGCCCTCAGGCCCTCTCTCAAGCACTGATTAACAGCTGTCCCTCCACCTT 1775
Qy 1741 CCCACCACTTCACTTCCACCCAGGAAGTGAGGCCAGAGGCGAGGACAGAGCTGTCTG 1800
Db 1776 CCCACCACTTCACTTCCACCCAGGAAGTGAGGCCAGAGGCGAGGACAGAGCTGTCTG 1835
Qy 1801 TGTCTCTGTGTCGCGGCGGCGGAGGAGGATGTAGGAGGCTGGGAGGTCAGGGCA 1860
Db 1836 TGTCTCTGTGTCGCGGCGGCGGAGGAGGATGTAGGAGGCTGGGAGGTCAGGGCA 1895
Qy 1861 GCTGGGATTAAGGGCTTGAAGGCTGGGTTGTGGAGGCTGGATCT 1903
Db 1896 GCTGGGATTAAGGGCTTGAAGGCTGGGTTGTGGAGGCTGGATCT 1938
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RESULT 6

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US-10-027-632-41182
; Sequence 41182, Application US/10027632
; Publication No. US2002019371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
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; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41182
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-41182
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Query Match 29.9%; Score 597.6; DB 13; Length 598;

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Best Local Similarity 99.8%; Pred. No. 2.2e-173; Indels 0; Gaps 0;
Matches 597; Conservative 1; Mismatches 0;

Qy 116 TCTAGAAGCACTGCTTCTATGCTCTTAGGACCACTGCCCGCATATGACAGATAAGAAC 175
Db 1 TCTAGAAGCACTGCTTCTATGCTCTTAGGACCACTGCCCGCATATGACAGATAAGAAC 60
Qy 176 ATCGAGGCTAAGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCAAAGAAAGCT 235
Db 61 ATCGAGGCTAAGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCAAAGAAAGCT 120
Qy 236 GGACAACTCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTTAGCC 295
Db 121 GGACAACTCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTTAGCC 180
Qy 296 CCTGTAGTCTCAGCGACTCAGGAGCTCAGGAGGCTCACCAGAGTGCAGAGTTCA 355
Db 181 CCTGTAGTCTCAGCGACTCAGGAGCTCAGGAGGCTCACCAGAGTGCAGAGTTCA 240
Qy 356 AGATGCACTGAGCTATGATCTCCCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 415
Db 241 AGATGCACTGAGCTATGATCTCCCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 300
Qy 416 TGCTCTTAATAAATGAATACATAAAGTCTCAGAGCTAGTGGTAACTTCTCCAGAGT 475
Db 301 TGCTCTTAATAAATGAATACATAAAGTCTCAGAGCTAGTGGTAACTTCTCCAGAGT 360
Qy 476 CAGGCTCTACCTGTCTGATGACAAATGGCACAATATGTCTTTTAACTGATTCAGAGC 535
Db 361 CAGGCTCTACCTGTCTGATGACAAATGGCACAATATGTCTTTTAACTGATTCAGAGC 420
Qy 536 ACAATGTTTGTGAATATTTTCCCGAGGAAAAAACCAGAGTAGTCTTAAATTTCTATA 595
Db 421 ACAATGTTTGTGAATATTTTCCCGAGGAAAAAACCAGAGTAGTCTTAAATTTCTATA 480
Qy 596 CATCCATTAATATTTTACCTGTGGATTTGGGAAAAACCAGCTCTGATTCGATTTTCAGG 655
Db 481 CATCCATTAATATTTTACCTGTGGATTTGGGAAAAACCAGCTCTGATTCGATTTTCAGG 540
Qy 656 GCGGACAGCCTTTGGTGCACTGTCTGGCGGATTTTCCATTTTAACTCTCTCTAGA 713
Db 541 GCGGACAGCCTTTGGTGCACTGTCTGGCGGATTTTCCATTTTAACTCTCTCTAGA 598
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RESULT 7

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US-10-027-632-41182
; Sequence 41182, Application US/10027632
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; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41182
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-41182

Query Match          29.9%; Score 597.6; DB 17; Length 598;
Best Local Similarity 99.8%; Pred. No. 2.2e-173;
Matches 597; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 116 TCTAGAAGCACTGCTTCCTATGCTCTTAGGACACTGCCGCGATATGACAGATAGAAC 175
Db 1 TCTAGAAGCACTGCTTCCTATGCTCTTAGGACACTGCCGCGATATGACAGATAGAAC 60

QY 176 ATCGAGGCTAAGCAACGCAAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCT 235
Db 61 ATCGAGGCTAAGCAACGCAAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCT 120

QY 236 GGACAACTGGGCAACATACAGCAGATATAAAATTTTAAATTTAGCCAGATGGTAGCC 295
Db 121 GGACAACTGGGCAACATACAGCAGATATAAAATTTTAAATTTAGCCAGATGGTAGCC 180

QY 296 CCCTGTAGTCTCAGCGACTCAGGAGGCTCAGGAGGAGGCTCACCAGAGTGCAGAGTTCA 355
Db 181 CCCTGTAGTCTCAGCGACTCAGGAGGCTCAGGAGGAGGCTCACCAGAGTGCAGAGTTCA 240

QY 356 AGGATCAGTGAAGTATGATCTGCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 415
Db 241 AGGATCAGTGAAGTATGATCTGCTGCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 300

QY 416 TGCGCTCTAATAATGAATACATAAAGTCTCAGAGTGTGGTAGCTAATCTCCGACAGCT 475
Db 301 TGCGCTCTAATAATGAATACATAAAGTCTCAGAGTGTGGTAGCTAATCTCCGACAGCT 360

QY 476 CAGGCTCTACCTGCTCTGATGACAAATGGCACAATGCTTTTAACTGATTCGACAGACC 535
Db 361 CAGGCTCTACCTGCTCTGATGACAAATGGCACAATGCTTTTAACTGATTCGACAGACC 420

QY 536 ACAAAATGTTTTGTAATATTTTCCCGAGGAAAAAACCAGAGTAGTCTTAAATTTCTATA 595
Db 421 ACAAAATGTTTTGTAATATTTTCCCGAGGAAAAAACCAGAGTAGTCTTAAATTTCTATA 480

QY 596 CATCCATTATATTAGTTTACCTGTGGATGGGAAACCCAGCTCTGATTCGATTTTCAGG 655
Db 481 CATCCATTATATTAGTTTACCTGTGGATGGGAAACCCAGCTCTGATTCGATTTTCAGG 540

QY 656 GCGGGACAGCCTTTGGTGCACTGCTGCGGGGATTTTCCATTTTAACTCTCTCTAGA 713
Db 541 GCGGGACAGCCTTTGGTGCACTGCTGCGGGGATTTTCCATTTTAACTCTCTCTAGA 598
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RESULT 8
US-09-864-761-9542/c
; Sequence 9542, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9542
; LENGTH: 563
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 12
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 10
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 14
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 6.7
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 13
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 6.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 18
US-09-864-761-9542

Query Match          28.1%; Score 563; DB 9; Length 563;
Best Local Similarity 100.0%; Pred. No. 1e-162;
Matches 563; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 386 CACTGAAGCTGGTGCAGACGACGACCTGCTCTTAATTAATGAATACATAAGTCTC 445
Db 563 CACTGAAGCTGGTGCAGACGACGACCTGCTCTTAATTAATGAATACATAAGTCTC 504
QY 446 ACAGCTAGTGGTGAATCTCTCCAGAGTCCAGGCTTACCTGTCTGTATGACAAATGGC 505
Db 503 ACAGCTAGTGGTGAATCTCTCCAGAGTCCAGGCTTACCTGTCTGTATGACAAATGGC 444
QY 506 ACATATGCTCTTTAACTGATTCAGACCAACAAATGTTTGTGAATATTTTCCCAAGG 565
Db 443 ACATATGCTCTTTAACTGATTCAGACCAACAAATGTTTGTGAATATTTTCCCAAGG 384
QY 566 AAAAAACCGAGTGTCTTAATCTTATACATCCATTAATTAATTAATTAATTAATTAAT 625
Db 383 AAAAAACCGAGTGTCTTAATCTTATACATCCATTAATTAATTAATTAATTAATTAAT 324
QY 626 GGGAAAAACCGAGTGTCTTAATCTTATACATCCATTAATTAATTAATTAATTAATTAAT 685
Db 323 GGGAAAAACCGAGTGTCTTAATCTTATACATCCATTAATTAATTAATTAATTAATTAAT 264
QY 686 GATTTTCCATTTAACTCTCTTCTAGAGCGCTTCTCATGTAAAGTTTCTGTATGCCG 745
Db 263 GATTTTCCATTTAACTCTCTTCTAGAGCGCTTCTCATGTAAAGTTTCTGTATGCCG 204
QY 746 CCAGGAGCGCGAGGAGGCGGCGGCTGGAGAGCGCGCGCGAGAGGCGTACGTGCCCT 805
Db 203 CCAGGAGCGCGAGGAGGCGGCGGCTGGAGAGCGCGCGCGAGAGGCGTACGTGCCCT 144
QY 806 GCTGGACAGAGTGTCTGTCTCTCTGCGGCGCGAGCGCGCGAGCGCGTCCACAAACCGTGGG 865
Db 143 GCTGGACAGAGTGTCTGTCTCTCTGCGGCGCGAGCGCGCGAGCGCGTCCACAAACCGTGGG 84
QY 866 GAGAACCCCAAGGAGGAGAGCGGCGCTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 925
Db 83 GAGAACCCCAAGGAGGAGAGCGGCGCTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 24
QY 926 GGTGGAGTCTGAATCGGCGCTTG 948
Db 23 GGTGGAGTCTGAATCGGCGCTTG 1

RESULT 9

US-09-864-761-9446/c
; Sequence 9446, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Acomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9446
; LENGTH: 554
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.1
US-09-864-761-9446

Query Match 27.7%; Score 554; DB 9; Length 554;

Best Local Similarity 100.0%; Pred. No. 6.2e-160; Indels 0; Gaps 0;
Matches 554; Conservative 0; Mismatches 0;
QY 615 ACCTGTGGATTGGGAAACCCAGCTCTGATTGCAATTCAGGGGCGGACAGCCTTTGGTGC 674
Db 554 ACCTGTGGATTGGGAAACCCAGCTCTGATTGCAATTCAGGGGCGGACAGCCTTTGGTGC 495
QY 675 ACTGTCTGGCGGATTTTCCATTTTAACTCTCTTAGAAGCGCTTCTCATGTAAAGT 734
Db 494 ACTGTCTGGCGGATTTTCCATTTTAACTCTCTTAGAAGCGCTTCTCATGTAAAGT 435
QY 735 TCCTGATGCCGCGCAGAGCGCGGAGAGGCGGCGCTGAGACGCCCGCGCAGAGGG 794
Db 434 TCCTGATGCCGCGCAGAGCGCGGAGAGGCGGCGCTGAGACGCCCGCGCAGAGGG 375
QY 795 CTACGTGCCCTCTGACAGAGGTCTCTGCTCTCTGCGCGCGCGCAGCCCTCCAC 854
Db 374 CTACGTGCCCTCTGACAGAGGTCTCTGCTCTCTGCGCGCGCGCAGCCCTCCAC 315
QY 855 AACCCCTGGGAGAGAGCCCGGAGGAGAGCGGCGCTGCGCCCTGCGCCGAGCACC 914
Db 314 AACCCCTGGGAGAGAGCCCGGAGGAGAGCGGCGCTGCGCCCTGCGCCGAGCACC 255
QY 915 TTCCGTCTCTAGTCTGAGTCTGAATCGSCCTTTGGAGCCCTCTGCGGCGGACCC 974
Db 254 TTCCGTCTCTAGTCTGAGTCTGAATCGSCCTTTGGAGCCCTCTGCGGCGGACCC 195
QY 975 TGCAAGAGCTCCACAGGCGCGCTGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1034
Db 194 TGCAAGAGCTCCACAGGCGCGCTGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 135
QY 1035 CTGGCAGGAAACCGCTCATGTTTACGCCCTTTTCGAGCGCTCAGACCTTGGGCGGAGACC 1094
Db 134 CTGGCAGGAAACCGCTCATGTTTACGCCCTTTTCGAGCGCTCAGACCTTGGGCGGAGACC 75
QY 1095 GCTTCGCGCTTCACTTAGAGCGGCGGAGATGCGGCGGAGTCTGCGGCTGCGCTGA 1154
Db 74 GCTTCGCGCTTCACTTAGAGCGGCGGAGATGCGGCGGAGTCTGCGGCTGCGCTGA 15
QY 1155 CCAATCGAGTGTGG 1168

US-09-864-761-25935

US-10-322-281-648
; Sequence 648, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:

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; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 648
; LENGTH: 51289
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-322-281-648
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Query Match 5.4%; Score 108.2; DB 19; Length 51289;
Best Local Similarity 75.1%; Pred. No. 2.2e-21;
Matches 148; Conservative 0; Mismatches 48; Indels 1; Gaps 1;

QY 247 GCACATAGCGAGATAAAATAATTATTAAATTAGCCAGATGTGGTAGCCCTGTAGTCT 306
DB 18038 GCAAGACCCCGCTTTACAAAATAAATAAATTAGCCAGGTGTACACACACCTGTAGTCC 18097

QY 307 CAGCGACTCAGGAGGCTGAGGAGGCTCACACAGTGCAGCTTCAAGGATGCACT 365
DB 18098 CAGCTACTCGGAGGCTGAGGAGGAGATCACTTGGCCAGGAGTTCAAGTTGCACT 18157

QY 366 GAGCTATGATCTGCCACTGCACTGAAAGCTGGTGACAGAGCAAGACCTGGCTCTAAT 425
DB 18158 GGACTTTGATGATGCCACTGCACTCCAGCGCTGGTGAAAAAGCAAGACCTATCTCTAAA 18217

QY 426 AATGAATACATAAAGT 442
DB 18218 GAATGATAATAAATAATT 18234
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RESULT 15
US-09-799-799-3
; Sequence 3, Application US/09799799
; Patent No. US20020132291A1
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN RAS-LIKE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001157
; CURRENT APPLICATION NUMBER: US/09/799,799
; CURRENT FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 88191
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(88191)
; OTHER INFORMATION: n = A,T,C or G
US-09-799-799-3
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Query Match 5.2%; Score 103.2; DB 9; Length 88191;
Best Local Similarity 69.8%; Pred. No. 9.8e-20;
Matches 155; Conservative 0; Mismatches 63; Indels 4; Gaps 1;

QY 223 TCAAAAGAAGCTGGACAACTGGGCAACATAGCGAGATAAAAAATTATTTAAATTAGCC 282
DB 2226 TCAAGACCAAGCTGGGCAACATTGTGAATCTTGTCTGAAAAAATACACAAATAAGCC 2285

QY 283 AGAT----GTGGTAGCCCTGTAGTCTCAGGACTCAGGAGCTGAGGAGGAGGCTCA 338
DB 2286 AGGTTGTGGTGGCATCGGCTGTAGTCCAGCTACTCGGAGACTCAGGTTGGGAGGATTG 2345

QY 339 CCAGAGTGCAGAGTTCAGGATCAGTGAAGTATGATCTGCCACTGCACTGAAAGCTGG 398
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Db 2346 CTTGAACCCAGAGGTTGAGGCTGCACTGAGCTGTGATTTGCCACTGCACTCTAGCCTGG 2405
QY 399 GTGACAGAGCAAGACCCCTGGCTCTTAATAAATGAATACATAAA 440
DB 2406 GTGACAGAGCGAGACCCCTGTCTCAAAAAAATTAATTAATAA 2447
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Search completed: August 21, 2005, 18:03:29
Job time : 1164.76 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 15:11:34 ; Search time 165.779 Seconds
(without alignments)
9880.127 Million cell updates/sec

Title: US-09-820-095B-3_COPY_10000_11000

Perfect score: 1001

Sequence: 1 acacagtcacaccttcagcaag.....tgggtttcaccaatgttgc 1001

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PTUS COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfileseq.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	162.4	16.2	601	4	US-09-949-016-38743, A
C 2	162.4	16.2	601	4	US-09-949-016-143733, A
C 3	161.2	16.1	34725	4	US-09-949-016-15797, A
C 4	161.2	16.1	34725	4	US-09-949-016-12808, A
C 5	154.8	15.5	1293	3	US-09-381-681-1, Appli
C 6	154.8	15.5	1360	3	US-09-191-136-30
C 7	154.8	15.5	1697	3	US-09-381-681-2
C 8	153	15.3	128779	4	US-09-497-855A-38
C 9	151.4	15.1	601	4	US-09-949-016-81109, A
C 10	151.4	15.1	48994	4	US-09-949-016-14091, A
C 11	151.4	15.1	18572	4	US-09-949-016-17183, A
C 12	151.2	15.1	601	4	US-09-949-016-81110, A
C 13	151	15.1	26314	4	US-09-949-016-16389, A
C 14	150.8	15.1	325791	4	US-09-768-185A-1
C 15	150.6	15.0	601	4	US-09-949-016-38772, A
C 16	150.4	15.0	601	4	US-09-949-016-143762, A
C 17	150.4	15.0	601	4	US-09-949-016-13987, A
C 18	150.4	15.0	22205	4	US-09-949-016-16199, A
C 19	150.4	15.0	29717	4	US-09-949-016-16284, A
C 20	150.4	15.0	34725	4	US-09-949-016-15797, A
C 21	150.4	15.0	34725	4	US-09-949-016-12808, A
C 22	150.4	15.0	46745	4	US-09-949-016-13964, A
C 23	150.4	15.0	60376	4	US-09-949-016-12423, A
C 24	150.4	15.0	183770	4	US-09-949-016-15494, A
C 25	150.4	15.0	53737	4	US-09-949-016-16197, A
C 26	150.2	15.0	143644	4	US-09-949-016-15238, A
C 27	150.2	15.0	143644	4	US-09-949-016-15238, A

28	150.2	15.0	187848	4	US-09-949-016-12111	A
C 29	150	15.0	601	4	US-09-949-016-159308	A
C 30	150	15.0	13204	4	US-09-054-272-49	A
C 31	150	15.0	23927	4	US-09-949-016-15980	A
C 32	149.8	15.0	95318	4	US-09-949-016-11784	A
C 33	149.8	15.0	95318	4	US-09-949-016-13998	A
C 34	149.6	14.9	57978	4	US-09-949-016-16667	A
C 35	149.6	14.9	64024	4	US-09-949-016-17593	A
C 36	149.4	14.9	24663	4	US-09-949-016-14268	A
C 37	149.4	14.9	206433	4	US-09-949-016-13527	A
C 38	149.4	14.9	254778	4	US-09-949-016-12417	A
C 39	149.2	14.9	70000	3	US-09-851-896-3	A
C 40	149.2	14.9	76399	4	US-09-949-016-16819	A
C 41	149.2	14.9	83210	4	US-09-949-016-14209	A
C 42	149.2	14.9	93778	4	US-09-949-016-15096	A
C 43	149.2	14.9	93894	4	US-09-949-016-13529	A
C 44	149.2	14.9	120727	4	US-09-949-016-15787	A
C 45	149.2	14.9	120727	4	US-09-949-016-15788	A

ALIGNMENTS

RESULT 1
US-09-949-016-38743/c
; Sequence 38743, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38743
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-38743

Query Match 16.2%; Score 162.4; DB 4; Length 601;
Best Local Similarity 81.3%; Pred. No. 1.2e-34;
Matches 187; Conservative 1; Mismatches 42; Indels 0; Gaps 0;
QY 772 TTCCCTTCTCCCTTCACTGTTGTTTTTTTTTTTAAAGACAGATCTCTGTGCAC 831
Db 313 TGTCTGCT 254
QY 832 CCAGGCTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 891
Db 253 CCAGGCTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 194
QY 892 CGGATTCCT 951
Db 193 CGGATTCCT 134
QY 952 AGCTAATTTTATTTTGTAGATAGAGATGGTTTTTCAATGTGGC 1001
Db 133 GCGTAATTTTGTATTTTGTAGATAGAGATGGTTTTTCAATGTGGC 84

RESULT 2
US-09-949-016-143733/c
; Sequence 143733, Application US/09949016
; Patent No. 6812339

GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143733
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-143733

Query Match 16.2%; Score 162.4; DB 4; Length 601;
Best Local Similarity 81.3%; Pred. No. 1.2e-34;
Matches 187; Conservative 1; Mismatches 42; Indels 0; Gaps 0;
QY 772 TTCCCTTCTCCCTTCAGCTTGTGTTTTTTTTTTTAAAGACAGAACTCTCTCTCAC 831
DB 313 TGTCTGCT 254
QY 832 CCAGGCTGAGTGCAGTGCAGCTCGGCTCAGTAACTCTCTCTCTCTCTCTCTCTCTCTCT 891
DB 253 CCAGGCTGAGTGCAGTGCAGCTCTCAGTCTCAGTCTCTCTCTCTCTCTCTCTCTCTCTCT 194
QY 892 CGAATCT 951
DB 193 GCGAATCT 134
QY 952 AGCTAATTTTATATTTTGGTAGATAGAGATGGGTTTTTACCAATGTTGGC 1001
DB 133 GCGTAATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGT 84

RESULT 3
US-09-949-016-15797
; Sequence 15797, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15797
; LENGTH: 34725
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15797

Query Match 16.1%; Score 161.2; DB 4; Length 34725;
Best Local Similarity 81.3%; Pred. No. 1.7e-33;
Matches 187; Conservative 0; Mismatches 43; Indels 0; Gaps 0;
QY 772 TTCCCTTCTCCCTTCAGCTTGTGTTTTTTTTTTTAAAGACAGAACTCTCTCTCAC 831

DB 4879 TGTCTGCT 4938
QY 832 CCAGGCTGAGTGCAGTGCAGCTCGGCTCAGTAACTCTCTCTCTCTCTCTCTCTCTCTCT 891
DB 4939 CCAGGCTGAGTGCAGTGCAGCTCTCAGTCTCAGTCTCTCTCTCTCTCTCTCTCTCTCTCT 4998
QY 892 CGAATCT 951
DB 4999 GCGAATCT 5058
QY 952 AGCTAATTTTATATTTTGGTAGATAGAGATGGGTTTTTACCAATGTTGGC 1001
DB 5059 GCGTAATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGT 5108

RESULT 4
US-09-949-016-12808
; Sequence 12808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12808
; LENGTH: 34765
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12808

Query Match 16.1%; Score 161.2; DB 4; Length 34765;
Best Local Similarity 81.3%; Pred. No. 1.7e-33;
Matches 187; Conservative 0; Mismatches 43; Indels 0; Gaps 0;
QY 772 TTCCCTTCTCCCTTCAGCTTGTGTTTTTTTTTTTAAAGACAGAACTCTCTCTCAC 831
DB 4879 TGTCTGCT 4938
QY 832 CCAGGCTGAGTGCAGTGCAGCTCGGCTCAGTAACTCTCTCTCTCTCTCTCTCTCTCTCT 891
DB 4939 CCAGGCTGAGTGCAGTGCAGCTCTCAGTCTCAGTCTCTCTCTCTCTCTCTCTCTCTCTCT 4998
QY 892 CGAATCT 951
DB 4999 GCGAATCT 5058
QY 952 AGCTAATTTTATATTTTGGTAGATAGAGATGGGTTTTTACCAATGTTGGC 1001
DB 5059 GCGTAATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGTATTTTGT 5108

RESULT 5
US-09-381-681-1
; Sequence 1, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: Q55876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044

EARLIER FILING DATE: 1997-03-26
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 1293
TYPE: DNA
ORGANISM: Human
US-09-381-681-1

Query Match 15.5%; Score 154.8; DB 3; Length 1293;
Best Local Similarity 71.0%; Pred. No. 2.1e-32;
Matches 281; Conservative 0; Mismatches 22; Indels 93; Gaps 2;

QY 107 CCAGGTCCAAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTCCCGCTATGAAC 166
DB 605 CTAAGTCCAAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTCCCGCTATGAAC 664

QY 167 CACAATTCAGCCCTACTGTCCGTTTCCGATTTGGGACCTCGTGGCAAGGCTGGAG 226
DB 665 CACAATTCAGCCCTACTGTCCGTTTCCGATTTGGGACCTCGTGGCAAGGCTGGAG 724

QY 227 GGACCTTCGAGACCTGGGCTGTCTGGTCCCAAGTTGGGGCAGGCTTCCTAGAGG 286
DB 725 GGACCTTCGAGACCTGGGCTGTCTGGTCCCAAGTTGGGGCAGGCTTCCTAGAGG 749

QY 287 GCTCTGGGAGAGGGTCCCGGGCCACCCACCGGTGGAAGCTATGTGTATGTGCAGGG 346
DB 750 -----GGG 752

QY 347 TGGCTCTGTAGGATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 406
DB 753 TGGCTCTGTAGGATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 812

QY 407 CTGGCTCTACTCTCTCCAGTCGAGGAGAGACTACAATTCAGGTGAGGC-CCCA 465
DB 813 CTGGCTCTACTCTCTCCAGTCGAGGAGAGACTACAATTCAGGTGAGGC-CCCA 872

QY 466 CTGCTCCCAAGTCCAGCTGTGGGCCCATCGCCCT 501
DB 873 CTGGTGGGAGCAACCGGGTGTGGAGCCCGCACCT 908

RESULT 6
US-09-191-136-30
Sequence 30, Application US/09191136B
Patent No. 6214581
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Lynch, Kevin J.
APPLICANT: Burgard, Edward C.
APPLICANT: Van Biesen, T.
TITLE OF INVENTION: Nucleic Acids Encoding A Functional
TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
TITLE OF INVENTION: And Use Thereof
FILE REFERENCE: 6293.US.P1
CURRENT APPLICATION NUMBER: US/09/191,136B
CURRENT FILING DATE: 1998-11-13
EARLIER APPLICATION NUMBER: US 09/008,526
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 09/008,185
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 60/071,298
EARLIER FILING DATE: 1998-01-16
EARLIER APPLICATION NUMBER: US 60/071,669
EARLIER FILING DATE: 1998-01-16
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 30
LENGTH: 1360
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Sequencing Primer (polynucleotide)

US-09-191-136-30

Query Match 15.5%; Score 154.8; DB 3; Length 1360;
Best Local Similarity 71.0%; Pred. No. 2.1e-32;
Matches 281; Conservative 0; Mismatches 22; Indels 93; Gaps 2;

QY 107 CCAGGTCCAAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTCCCGCTATGAAC 166
DB 650 CTAAGTCCAAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTCCCGCTATGAAC 709

QY 167 CACAATTCAGCCCTACTGTCCGTTTCCGATTTGGGACCTCGTGGCAAGGCTGGAG 226
DB 710 CACAATTCAGCCCTACTGTCCGTTTCCGATTTGGGACCTCGTGGCAAGGCTGGAG 769

QY 227 GGACCTTCGAGACCTGGGCTGTCTGGTCCCAAGTTGGGGCAGGCTTCCTAGAGG 286
DB 770 GGACCTTCGAGACCTGGGCTGTCTGGTCCCAAGTTGGGGCAGGCTTCCTAGAGG 794

QY 287 GCTCTGGGAGAGGGTCCCGGGCCACCCACCGGTGGAAGCTATGTGTATGTGCAGGG 346
DB 795 -----GGG 797

QY 347 TGGCTCTGTAGGATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 406
DB 798 TGGCTCTGTAGGATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 857

QY 407 CTGGCTCTACTCTCTCCAGTCGAGGAGAGACTACAATTCAGGTGAGGC-CCCA 465
DB 858 CTGGCTCTACTCTCTCCAGTCGAGGAGAGACTACAATTCAGGTGAGGC-CCCA 917

QY 466 CTGCTCCCAAGTCCAGCTGTGGGCCCATCGCCCT 501
DB 918 CTGGTGGGAGCAACCGGGTGTGGAGCCCGCACCT 953

RESULT 7

US-09-381-681-2
Sequence 2, Application US/09381681
Patent No. 6255472
GENERAL INFORMATION:
APPLICANT: TAKINO, Takashi
APPLICANT: NAKAMURA, Yusuke
TITLE OF INVENTION: HUMAN GENES
FILE REFERENCE: Q55876
CURRENT APPLICATION NUMBER: US/09/381,681
CURRENT FILING DATE: 2000-01-10
EARLIER APPLICATION NUMBER: JPA 9-093044
EARLIER FILING DATE: 1997-03-26
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 1697
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: CDS
LOCATION: (46) ..(1338)
US-09-381-681-2

Query Match 15.5%; Score 154.8; DB 3; Length 1697;
Best Local Similarity 71.0%; Pred. No. 2.3e-32;
Matches 281; Conservative 0; Mismatches 22; Indels 93; Gaps 2;

QY 107 CCAGGTCCAAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTCCCGCTATGAAC 166
DB 650 CTAAGTCCAAATGCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTCCCGCTATGAAC 709

QY 167 CACAATTCAGCCCTACTGTCCGTTTCCGATTTGGGACCTCGTGGCAAGGCTGGAG 226
DB 710 CACAATTCAGCCCTACTGTCCGTTTCCGATTTGGGACCTCGTGGCAAGGCTGGAG 769

QY 227 GGACCTTCGAGACCTGGGCTGTCTGGTCCCAAGTTGGGGCAGGCTTCCTAGAGG 286

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Db 770 GGACCTTCGAGGACCTGGCGTTGCT----- 794
QY 287 GCTCTGGGAGAGGGTCCCGGGCCCAACCCACCGGTGAAAGCTATGTGTATGTGCAGGG 346
Db 795 -----GGG 797
QY 347 TGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 406
Db 798 TGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 857
QY 407 CTGGCTCTACTACTCTCTTCAGCTGCAGGAGAGAGCTACAACCTTCAGGTGAGGC-CCCA 465
Db 858 CTGGCTCTACTACTCTCTTCAGCTGCAGGAGAGAGCTACAACCTTCAGGACGCCACTCA 917
QY 466 CTGCTCCCAAGTCCAGCTGTCTGGGCCCATTCGCCCT 501
Db 918 CTGGTGGGACCAACCGGTGTGGAGGCCCGCACCT 953

RESULT 8
US-09-497-855A-38
; Sequence 38, Application US/09497855A
; Patent No. 6605432
; GENERAL INFORMATION:
; APPLICANT: Huang, Tim
; TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR DETECTING DNA METHYLATION
; FILE REFERENCE: UMO1523
; CURRENT APPLICATION NUMBER: US/09/497,855A
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/120,592
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 60/118,760
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 128779
; TYPE: DNA
; ORGANISM: Homo sapiens;
US-09-497-855A-38

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Best Local Similarity 77.2%; Pred. No. 5.5e-31;
Matches 186; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

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QY 819 CTCATTTCTACCCAGGCTGGAGTGGAGTGGCCGACCTCGGCTCACTGTAACTCTGC 878
Db 94306 CTTACTCTGTACCCAGGCTGGAGTGAATAGCGCATCTCGGCTCACTGCAACCTCTGC 94365
QY 879 TTCCTGGTTCAACCGATTCTCTCTCAGCTCTGAGTAGCTGGAATTACAGTCT 938
Db 94366 CTCCAGGTTCAAGATTCTTGCTCAGCTCCGAGTAGCTGGGATTACAGGACA 94425
QY 939 CGCCACTACTCCAGCTAAATTTTATTTTGTGTAGATAGATGGGTTTTTCACAATGTT 998
Db 94426 TGGCACCACGCCCGCTAAATTTTTTGTATTTTGTGTAGAGACGGAGTTTACCACATGCT 94485
QY 999 G 999
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RESULT 9
US-09-949-016-81108/c
; Sequence 81108, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81108
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-81108

Query Match 15.1%; Score 151.4; DB 4; Length 601;
Best Local Similarity 79.7%; Pred. No. 1.2e-31;
Matches 192; Conservative 0; Mismatches 46; Indels 3; Gaps 1;

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Db 488 TCATTTCTGTTCTCTCTCTCTGACCTATTTTATTTTATTTTATTTTGGAGACAGTCT 429
QY 821 CATTTGTCAACCGAGTGGAGTGGCCGACCTCGGCTCACTGTAACCTCTGCTT 880
Db 428 CACTCTGTTGCCAGGCTAGAGTGGCGCATCTCGGCTCATTTGCAACCTCTGCTT 369
QY 881 CTTGGGTTCAACCGATTCTCTCTCAGCTCCTGAGTGGAGTGGAGTGGAGTGGAGTGG 940
Db 368 CCGGTGTTCAAGTGATTCTCTACCTCAGCTCCGAGTAGCTGGGATTACAGGTGCCG 309
QY 941 CCACCTACTCCAGCTAAATTTTATTTTGTGTAGATAGATGGGTTTTTCACAATGTTG 1000
Db 308 CCACCACRCCTGGCTAATTTTGTATTT---TCGGTAGAGACGGGTTTCACTATGTTGA 252
QY 1001 C 1001
Db 251 C 251

RESULT 10
US-09-949-016-81109/c
; Sequence 81109, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81109
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-81109

Query Match 15.1%; Score 151.4; DB 4; Length 601;
Best Local Similarity 79.7%; Pred. No. 1.2e-31;
Matches 192; Conservative 0; Mismatches 46; Indels 3; Gaps 1;

QY 761 TCATTTTACTTTCCCTTCTCCCTTCAGCTTTGTTTTTTTTTAAAGACAGAATCT 820
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Gapop 10.0 , Gapext 1.0

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Maximum Match 100%
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11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:
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22: /cgn2_6/ptodata/1/pubpna/US10J_PUBCOMB.seq:
23: /cgn2_6/ptodata/1/pubpna/US10K_PUBCOMB.seq:
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26: /cgn2_6/ptodata/1/pubpna/US10N_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1001	100.0	16449	10	US-09-820-095-3
2	393	39.3	576	9	US-09-864-761-9249
3	364	36.4	440	9	US-09-864-761-2179
4	161.2	16.1	9131	21	US-10-656-029-83
5	161.2	16.1	10557	21	US-10-656-029-85
6	158.2	15.8	174448	13	US-10-087-192-148
7	156	15.6	98716	21	US-10-741-600-17754

8	155.8	15.6	301692	17	US-10-428-487-111	Sequence 11, Appl
9	155.8	15.6	310268	19	US-10-367-094-135	Sequence 195, App
10	155.6	15.5	63045	19	US-10-714-796-76	Sequence 76, Appl
11	155.6	15.5	63824	17	US-10-282-174-347	Sequence 347, App
12	155.6	15.5	63824	17	US-10-282-174-348	Sequence 348, App
13	155.6	15.5	63824	21	US-10-600-009-347	Sequence 347, App
14	155.6	15.5	63824	21	US-10-600-009-348	Sequence 348, App
15	155.6	15.5	153170	20	US-10-723-860-139	Sequence 199, App
16	155.6	15.5	153170	20	US-10-723-860-139	Sequence 199, App
17	155.6	15.5	202100	17	US-10-282-174-484	Sequence 484, App
18	155.6	15.5	202100	21	US-10-600-009-484	Sequence 484, App
19	155.2	15.5	471	20	US-10-357-930-6745	Sequence 61745, A
20	154.8	15.5	2693	10	US-09-820-095-1	Sequence 1, Appl
21	154	15.4	14804	21	US-10-741-600-17816	Sequence 17816, A
22	153.8	15.4	14176	9	US-09-764-864-1644	Sequence 1644, App
23	153.8	15.4	177531	21	US-10-484-577-660	Sequence 660, App
24	153.6	15.3	24210	20	US-10-719-993-6893	Sequence 6893, App
25	153.4	15.3	6248	17	US-10-242-355-705	Sequence 705, App
26	153	15.3	128779	15	US-10-081-327-38	Sequence 38, Appl
27	152.6	15.2	172984	21	US-10-484-577-661	Sequence 661, App
28	152.6	15.2	588	13	US-10-027-632-77218	Sequence 77218, A
29	152.6	15.2	588	17	US-10-027-632-77218	Sequence 77218, A
30	152.6	15.2	588	17	US-10-027-632-300376	Sequence 300376, A
31	152.4	15.2	13904	20	US-10-027-632-300376	Sequence 300376, A
32	152.2	15.2	32221	9	US-09-764-878-377	Sequence 6982, Ap
33	152.2	15.2	32221	14	US-10-079-854-377	Sequence 377, App
34	152	15.2	527	13	US-10-027-632-130193	Sequence 130193, A
35	152	15.2	527	17	US-10-027-632-130193	Sequence 130193, A
36	152	15.2	1364	13	US-10-027-632-253464	Sequence 253464, A
37	152	15.2	1364	13	US-10-027-632-253465	Sequence 253465, A
38	152	15.2	1364	17	US-10-027-632-253464	Sequence 253464, A
39	152	15.2	1364	17	US-10-027-632-253465	Sequence 253465, A
40	151.8	15.2	631	13	US-10-027-632-57903	Sequence 57903, A
41	151.8	15.2	631	13	US-10-027-632-57903	Sequence 57903, A
42	151.8	15.2	631	17	US-10-027-632-57903	Sequence 57903, A
43	151.8	15.2	631	17	US-10-027-632-57903	Sequence 57903, A
44	151.8	15.2	649	13	US-10-027-632-6071	Sequence 6071, Ap
45	151.8	15.2	649	17	US-10-027-632-6071	Sequence 6071, Ap

ALIGNMENTS

RESULT 1

US-09-820-095-3
; Sequence 3, Application US/09820095
; Publication No. US2003023368A1
; GENERAL INFORMATION:
; APPLICANT: WBI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16449
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-3

Query Match 100.0%; Score 1001; DB 10; Length 16449;
Best Local Similarity 100.0%; Pred. No. 2.8e-282;
Matches, 1001; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACACAGTCACTTCAGCAAGTTCACTTCTTAAGTAAGCAGAGTGGGTCTCATCTGCCC 60
DB 10000 ACACAGTCACTTCAGCAAGTTCACTTCTTAAGTAAGCAGAGTGGGTCTCATCTGCCC 10059
QY 61 CAAGACCTTCCTTGTGTCCTTACCTCATCTGACCTTTCCTCCACTCTCTCCAGTCCCAATGCC 120

Db 10060 CAAGACCTCTTGTGTCCTTACCTCATCTGACCTTTTCCACTCTCCAGGTCATGCCC 10119
QY 121 TTGGAGACCTGGGACCCCACTATTTTAAGCACTGCGGCTATGAACACAAATTCAGCCCC 180
Db 10120 TTGGAGACCTGGGACCCCACTATTTTAAGCACTGCGGCTATGAACACAAATTCAGCCCC 10179
QY 181 TACTGTCCGCTGTTCCGCTATTTGGGACCTCTGTCGCAAGGCTGGAGGACCTTCGAGGAC 240
Db 10180 TACTGTCCGCTGTTCCGCTATTTGGGACCTCTGTCGCAAGGCTGGAGGACCTTCGAGGAC 10239
QY 241 CTGGCTGTTGCTGGGCTCCCAAGTTGGGGGCAAGGTTCTTAGAGGCTCTGGAGAGGG 300
Db 10240 CTGGCTGTTGCTGGGCTCCCAAGTTGGGGGCAAGGTTCTTAGAGGCTCTGGAGAGGG 10299
QY 301 TCCCGGGCCCAACCCACCGGTGGAAGACTATGTGCTATGTGCAAGGCTGGAGGACCTTCGAGGCA 360
Db 10300 TCCCGGGCCCAACCCACCGGTGGAAGACTATGTGCTATGTGCAAGGCTGGAGGACCTTCGAGGCA 10359
QY 361 TCAGAGTTCACTGGGATTTGACCTGGACACCGGGGACTCTGGCTGCTGGCTCACTACT 420
Db 10360 TCAGAGTTCACTGGGATTTGACCTGGACACCGGGGACTCTGGCTGCTGGCTCACTACT 10419
QY 421 CCTTCAGCTGTCAGGAGAGAGCTACAACTTCAGGTGAGGCCCACTGCTCCAGTGCCTC 480
Db 10420 CCTTCAGCTGTCAGGAGAGAGCTACAACTTCAGGTGAGGCCCACTGCTCCAGTGCCTC 10479
QY 481 AGTGTGCGGCCCACTCGCCCTCTCACTGTGGGGCCAGGACAGACACACCCAGGCCCAAG 540
Db 10480 AGTGTGCGGCCCACTCGCCCTCTCACTGTGGGGCCAGGACAGACACACCCAGGCCCAAG 10539
QY 541 GCCTCTAGATATTTCCACTAGTGTGCAAGGGGTCCTCCAGGACGAGAGGCTGTTCTC 600
Db 10540 GCCTCTAGATATTTCCACTAGTGTGCAAGGGGTCCTCCAGGACGAGAGGCTGTTCTC 10599
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Db 10600 AATCCACATCTCTCCAGCACAGGCTCCGCTCTGCTGCCCAAGTCTCTGAGCCCTCCACCC 10659
QY 661 CATCTGTCCAGGCCCTGCGCCAGCTCAGCTCTCTCACTGCGAGCCCTTCCTCCACCCCA 720
Db 10660 CATCTGTCCAGGCCCTGCGCCAGCTCAGCTCTCTCACTGCGAGCCCTTCCTCCACCCCA 10719
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QY 901 CTTCCTCAGCTCTCAGTGTGGAATACAGGCTCTGCCACTACTCCAGCTAATTT 960
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RESULT 2

US-09-864-761-9249/c
; Sequence 9249, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aemica-x-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9249
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.1
US-09-864-761-9249

Query Match 39.3%; Score 393; DB 9; Length 576;
Best Local Similarity 100.0%; Pred. No. 1.3e-104;
Matches 393; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACACAGTCACCTTCAGCAAGTTCACACTTCTCTAAGTAAGCAGAGTGGGTCTCATCTGCCCC 60
Db 393 ACACAGTCACCTTCAGCAAGTTCACACTTCTCTAAGTAAGCAGAGTGGGTCTCATCTGCCCC 334
QY 61 CAAGACCTCTTGTGCCCCCTACTCATCTGACCTTTCCACCTCTCCCAAGGTCCTCAATGCC 120
Db 333 CAAGACCTCTTGTGCCCCCTACTCATCTGACCTTTCCCAAGGTCCTCAATGCC 274
QY 121 TTGGAGACTGGGACCCCACTATTTTAAAGCACTGCGGCTATGAACCAATTCAGCCCC 180
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Db 33 TCAGAGTTCACTGGGATTTGACCTGGACACCG 1

RESULT 3

US-09-864-761-2179/c
; Sequence 2179, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wenheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeonica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
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; PRIOR APPLICATION NUMBER: GB 24263.6
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; PRIOR FILING DATE: 2000-09-27
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; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.9
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 6
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 6.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.4
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.7
US-09-864-761-2179

Query Match 36.4%; Score 364; DB 9; Length 440;
Best Local Similarity 100.0%; Pred. No. 3.7e-96;
Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACACAGTCACTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCCCC 60
Db 364 ACACAGTCACTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCCCC 305
Qy 61 CAAGACCTCTTGTGCTCCCTTACCTCATCTGACCTTTCCCACTCTCCAGGTCCAAATGCC 120
Db 304 CAAGACCTCTTGTGCTCCCTTACCTCATCTGACCTTTCCCACTCTCCAGGTCCAAATGCC 245
Qy 121 TTGGAGACCTGGGACCCCACTTATTTAAGCACTGCGCTATGAACCAACAATTCAGCCCC 180
Db 244 TTGGAGACCTGGGACCCCACTTATTTAAGCACTGCGCTATGAACCAACAATTCAGCCCC 185
Qy 181 TACTGTCCCGTGTTCGGCATTTGGGACCTCTGGGCCAAGCTCTAGAGGGCTCTGGAGGAG 240
Db 184 TACTGTCCCGTGTTCGGCATTTGGGACCTCTGGGCCAAGCTCTAGAGGGCTCTGGAGGAG 125
Qy 241 CTGGCGTTGCTGGTGGTCCCAAGTTGGGGGCGAGGTTCTTAGAGGGCTCTGGAGAGGG 300
Db 124 CTGGCGTTGCTGGTGGTCCCAAGTTGGGGGCGAGGTTCTTAGAGGGCTCTGGAGAGGG 65
Qy 301 TCCCGGGCCCACTCCCGGTGGAAAGCTATGTGCTATGTGCAAGGTTGGTCTGTAGGCA 360
Db 64 TCCCGGGCCCACTCCCGGTGGAAAGCTATGTGCTATGTGCAAGGTTGGTCTGTAGGCA 5
Qy 361 TCAG 364
Db 4 TCAG 1

RESULT 4

US-10-656-029-83/c
; Sequence 83, Application US/10656029
; Publication No. US20050003367A1
; GENERAL INFORMATION:
; APPLICANT: VERTEX PHARMACEUTICALS INC.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR RAPID DEVELOPMENT OF
; FILE REFERENCE: VPI/02-143WO2
; CURRENT APPLICATION NUMBER: US/10/656,029
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: 60/408,297
; PRIOR FILING DATE: 2002-09-05
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 83
; LENGTH: 9131
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: pxi-CMV-SD-Vanilloid sequence
US-10-656-029-83

Query Match 16.1%; Score 161.2; DB 21; Length 9131;
Best Local Similarity 81.3%; Pred. No. 2.3e-36;
Matches 187; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Qy	852	CCGACCTCGGCTCACTGTAACTCTGTTCTCGGGTTCAACCGATTCCTCTCTCCAGCC	911
Db	75318	ACARTCTCAGCTCACTRCACCTCYGCCTCCGGTTCAAGTGATTCCTCTCTCCAGCC	75377
Qy	912	TCCTGAGTAGCTGGAAATTACAGGTGCTCGGCACCTCTCCACGATATTTTATATATTTGG	971
Db	75378	TCCTGAGTAGCTGGGATTACAGCGTGCAGCACTACACCGCGTATTTTAAATATTTT	75437
Qy	972	TAGATAGAGATGGGTTTTCAAGATGTGGC	1001
Db	75438	TTGGTAGAGATGGGGTTTCAACATGTGGC	75467

```

RESULT 8
US-10-428-487-11
; Sequence 11, Application US/10428487
; Publication No. US20040006780A1
; GENERAL INFORMATION:
; APPLICANT: RASTELLI, LUCA K.
; APPLICANT: GERBER, HANS-PETER
; TITLE OF INVENTION: VEGF-MODULATED GENES AND METHODS EMPLOYING THEM
; FILE REFERENCE: 0980080-0103
; CURRENT APPLICATION NUMBER: US/10/428,487
; CURRENT FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: 09/815,153
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,201
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 301692
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-428-487-11

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RESULT 11
US-10-282-174-347/C

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; Sequence 347, Application US/10282174
; Publication No. US20030224380A1
; GENERAL INFORMATION:
; APPLICANT: Becker, Kenneth David
; APPLICANT: Velicelebi, Gonul
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Wang, Xin
; APPLICANT: Tanzi, Rudolph E.
; APPLICANT: Bertram, Lars
; APPLICANT: Saunders, Aleister J.
; APPLICANT: Mullin, Kristina M.
; APPLICANT: Sampson, Andrew Johnson
; APPLICANT: Blacker, Deborah Lynne
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
; TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
; TITLE OF INVENTION: NEURODEGENERATIVE DISEASES
; FILE REFERENCE: 37481-3308
; CURRENT APPLICATION NUMBER: US/10/282,174
; CURRENT FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: US 60/339,525
; PRIOR FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: US 60/338,010
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/336,929
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/338,363
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: US 60/337,052
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 60/368,919
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 564
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 63824
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(14)
; OTHER INFORMATION: N is unknown
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (22880)..(22970)
; OTHER INFORMATION: N is unknown
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (39442)..(39541)
; OTHER INFORMATION: N is unknown
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (53423)..(53522)
; OTHER INFORMATION: N is unknown
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 57620..57642
; OTHER INFORMATION: N is unknown
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (57652)..(57751)
; OTHER INFORMATION: N is unknown
US-10-282-174-347

Query Match 15.5%; Score 155.6; DB 17; Length 63824;
Best Local Similarity 80.6%; Pred. No. 1.8e-34;
Matches 195; Conservative 0; Mismatches 44; Indels 3; Gaps 1;

Qy 760 TTCAATTTTACTTCCCTCTCCCTTCAGCTTCTTTTAAACACAGATC 819
Db 45333 TTAATTTTACATTTCCATTTCTCAATTTCTTTTGTGAGACGAGTC 45274
Qy 820 TCATTTCTGTCACCCAGGCTGGAGTGCAGTGGCCGACCTCGGCTCACTGTAACTCTGCT 879

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